

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101221\
 Data File : VY006370.D
 Acq On : 12 Oct 2021 09:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/15/2021 6:22:28 PM

Quant Time: Oct 13 07:37:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	164469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	242242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	201338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	107338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	89962	51.106	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.220%			
35) Dibromofluoromethane	7.722	113	69656	53.822	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.640%			
50) Toluene-d8	10.185	98	250899	46.321	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.640%			
62) 4-Bromofluorobenzene	12.483	95	86460	46.988	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	69082	41.409	ug/l	99
3) Chloromethane	2.119	50	88719	45.658	ug/l	98
4) Vinyl Chloride	2.260	62	105404	48.945	ug/l	100
5) Bromomethane	2.656	94	75265	53.777	ug/l	98
6) Chloroethane	2.802	64	64509	50.909	ug/l	95
7) Trichlorofluoromethane	3.131	101	143749	50.677	ug/l	96
8) Diethyl Ether	3.534	74	47153	50.328	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.906	101	77639	51.272	ug/l	97
10) Methyl Iodide	4.101	142	66251	40.146	ug/l	95
11) Tert butyl alcohol	4.966	59	35070	227.754	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	77855	50.542	ug/l	94
13) Acrolein	3.735	56	23061	214.166	ug/l	98
14) Allyl chloride	4.491	41	150497	50.804	ug/l	95
15) Acrylonitrile	5.168	53	127256	258.240	ug/l	99
16) Acetone	3.954	43	145819	296.589	ug/l	97
17) Carbon Disulfide	4.204	76	246932	47.931	ug/l	100
18) Methyl Acetate	4.485	43	83701	50.488	ug/l	97
19) Methyl tert-butyl Ether	5.229	73	231211	51.398	ug/l	97
20) Methylene Chloride	4.729	84	88383	52.323	ug/l	88
21) trans-1,2-Dichloroethene	5.229	96	88836	52.018	ug/l	98
22) Diisopropyl ether	6.125	45	312577	53.336	ug/l	96
23) Vinyl Acetate	6.064	43	919139	261.655	ug/l	98
24) 1,1-Dichloroethane	6.021	63	162517	51.655	ug/l	99
25) 2-Butanone	6.990	43	183197	267.495	ug/l	96
26) 2,2-Dichloropropane	6.990	77	152744	53.089	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	100145	52.359	ug/l	96
28) Bromochloromethane	7.338	49	67511	51.535	ug/l	96
29) Tetrahydrofuran	7.356	42	111562	257.892	ug/l	97
30) Chloroform	7.515	83	167298	53.305	ug/l	100
31) Cyclohexane	7.789	56	160403	48.097	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	153117	52.837	ug/l	99
36) 1,1-Dichloropropene	7.923	75	129036	53.538	ug/l	98
37) Ethyl Acetate	7.082	43	75386	53.691	ug/l	99
38) Carbon Tetrachloride	7.905	117	137748	54.125	ug/l	99
39) Methylcyclohexane	9.185	83	157317	51.964	ug/l	98
40) Benzene	8.167	78	374153	54.718	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	42924m	47.129	ug/l	
42) 1,2-Dichloroethane	8.240	62	121474	55.136	ug/l	97
43) Isopropyl Acetate	8.277	43	144822	53.778	ug/l	97
44) Trichloroethene	8.947	130	96724	54.769	ug/l	98
45) 1,2-Dichloropropane	9.222	63	91658	54.449	ug/l	95
46) Dibromomethane	9.307	93	46887	52.308	ug/l	98
47) Bromodichloromethane	9.502	83	111658	48.379	ug/l	100
48) Methyl methacrylate	9.295	41	65142	50.423	ug/l	95
49) 1,4-Dioxane	9.301	88	11093	948.543	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	324410	232.007	ug/l	97
52) Toluene	10.246	92	203309	47.935	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	118663	47.155	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	129183	46.697	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	59917	47.506	ug/l	97
56) Ethyl methacrylate	10.514	69	89691	46.785	ug/l	93
57) 1,3-Dichloropropane	10.795	76	106933	46.854	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	206998	220.372	ug/l	98
59) 2-Hexanone	10.837	43	242669	243.670	ug/l	97
60) Dibromochloromethane	10.990	129	75849	49.498	ug/l	99
61) 1,2-Dibromoethane	11.093	107	55604	46.561	ug/l	98
64) Tetrachloroethene	10.721	164	98236	60.584	ug/l	98
65) Chlorobenzene	11.520	112	212139	53.178	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	79952	54.385	ug/l	99
67) Ethyl Benzene	11.593	91	402910	53.582	ug/l	100
68) m/p-Xylenes	11.703	106	311783	109.263	ug/l	97
69) o-Xylene	12.032	106	147190	54.616	ug/l	96
70) Styrene	12.044	104	254355	55.576	ug/l	98
71) Bromoform	12.209	173	51003	55.787	ug/l #	97
73) Isopropylbenzene	12.331	105	396480	51.567	ug/l	100
74) N-amyl acetate	12.142	43	116123	48.659	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	63900	46.018	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	48147m	46.150	ug/l	
77) Bromobenzene	12.611	156	92673	51.408	ug/l	94
78) n-propylbenzene	12.672	91	485780	51.327	ug/l	99
79) 2-Chlorotoluene	12.758	91	266421	50.871	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	335431	52.174	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	26804	50.489	ug/l	97
82) 4-Chlorotoluene	12.855	91	278975	51.503	ug/l	100
83) tert-Butylbenzene	13.075	119	294097	53.506	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	333442	52.524	ug/l	99
85) sec-Butylbenzene	13.258	105	437568	52.678	ug/l	99
86) p-Isopropyltoluene	13.373	119	371592	53.014	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	188314	52.725	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	186115	52.849	ug/l	99
89) n-Butylbenzene	13.697	91	348392	52.309	ug/l	99
90) Hexachloroethane	13.965	117	66175	51.986	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	166368	53.269	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12637	47.768	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	108913	52.773	ug/l	99
94) Hexachlorobutadiene	15.111	225	72502	53.850	ug/l	98
95) Naphthalene	15.239	128	205451	50.106	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	94590	51.712	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

MMDadoda
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Abundance

TIC: VY006370.D\data.ms

Compound	Retention Time (min)
Dichlorodifluoromethane, T	2.00
Chloromethane, P	2.10
Vinyl Chloride, C	2.20
Bromomethane, T	2.30
Chloroethane, T	2.40
Trichlorofluoromethane, T	2.50
Diethyl Ether, T	2.60
Acrolein, T	2.70
Acetone, T	2.80
1,1,2,2-Tetrachloroethane, T	2.90
Methyl Iodide, C	3.00
Carbon Disulfide, T	3.10
Allyl Methyl Ether, T	3.20
Methylene Chloride, T	3.30
Tert butyl alcohol, T	3.40
Acrylonitrile, T	3.50
Methyl 1,2-Dichloroethane, T	3.60
1,1-Dichloroethane, P	3.70
Isopropyl ether, T	3.80
Vinyl Acetate, T	3.90
Ethyl Acetate, T	4.00
Methoxypropylmethane, T	4.10
Chloroform, C	4.20
Dibromodifluoromethane, T	4.30
1,1-Dichloroethane, T	4.40
1,2-Dichloroethane, T	4.50
1,4-Difluorobenzene, T	4.60
1,4-Difluorobenzene, T	4.70
1,4-Difluorobenzene, T	4.80
1,4-Difluorobenzene, T	4.90
1,4-Difluorobenzene, T	5.00
1,4-Difluorobenzene, T	5.10
1,4-Difluorobenzene, T	5.20
1,4-Difluorobenzene, T	5.30
1,4-Difluorobenzene, T	5.40
1,4-Difluorobenzene, T	5.50
1,4-Difluorobenzene, T	5.60
1,4-Difluorobenzene, T	5.70
1,4-Difluorobenzene, T	5.80
1,4-Difluorobenzene, T	5.90
1,4-Difluorobenzene, T	6.00
1,4-Difluorobenzene, T	6.10
1,4-Difluorobenzene, T	6.20
1,4-Difluorobenzene, T	6.30
1,4-Difluorobenzene, T	6.40
1,4-Difluorobenzene, T	6.50
1,4-Difluorobenzene, T	6.60
1,4-Difluorobenzene, T	6.70
1,4-Difluorobenzene, T	6.80
1,4-Difluorobenzene, T	6.90
1,4-Difluorobenzene, T	7.00
1,4-Difluorobenzene, T	7.10
1,4-Difluorobenzene, T	7.20
1,4-Difluorobenzene, T	7.30
1,4-Difluorobenzene, T	7.40
1,4-Difluorobenzene, T	7.50
1,4-Difluorobenzene, T	7.60
1,4-Difluorobenzene, T	7.70
1,4-Difluorobenzene, T	7.80
1,4-Difluorobenzene, T	7.90
1,4-Difluorobenzene, T	8.00
1,4-Difluorobenzene, T	8.10
1,4-Difluorobenzene, T	8.20
1,4-Difluorobenzene, T	8.30
1,4-Difluorobenzene, T	8.40
1,4-Difluorobenzene, T	8.50
1,4-Difluorobenzene, T	8.60
1,4-Difluorobenzene, T	8.70
1,4-Difluorobenzene, T	8.80
1,4-Difluorobenzene, T	8.90
1,4-Difluorobenzene, T	9.00
1,4-Difluorobenzene, T	9.10
1,4-Difluorobenzene, T	9.20
1,4-Difluorobenzene, T	9.30
1,4-Difluorobenzene, T	9.40
1,4-Difluorobenzene, T	9.50
1,4-Difluorobenzene, T	9.60
1,4-Difluorobenzene, T	9.70
1,4-Difluorobenzene, T	9.80
1,4-Difluorobenzene, T	9.90
1,4-Difluorobenzene, T	10.00
1,4-Difluorobenzene, T	10.10
1,4-Difluorobenzene, T	10.20
1,4-Difluorobenzene, T	10.30
1,4-Difluorobenzene, T	10.40
1,4-Difluorobenzene, T	10.50
1,4-Difluorobenzene, T	10.60
1,4-Difluorobenzene, T	10.70
1,4-Difluorobenzene, T	10.80
1,4-Difluorobenzene, T	10.90
1,4-Difluorobenzene, T	11.00
1,4-Difluorobenzene, T	11.10
1,4-Difluorobenzene, T	11.20
1,4-Difluorobenzene, T	11.30
1,4-Difluorobenzene, T	11.40
1,4-Difluorobenzene, T	11.50
1,4-Difluorobenzene, T	11.60
1,4-Difluorobenzene, T	11.70
1,4-Difluorobenzene, T	11.80
1,4-Difluorobenzene, T	11.90
1,4-Difluorobenzene, T	12.00
1,4-Difluorobenzene, T	12.10
1,4-Difluorobenzene, T	12.20
1,4-Difluorobenzene, T	12.30
1,4-Difluorobenzene, T	12.40
1,4-Difluorobenzene, T	12.50
1,4-Difluorobenzene, T	12.60
1,4-Difluorobenzene, T	12.70
1,4-Difluorobenzene, T	12.80
1,4-Difluorobenzene, T	12.90
1,4-Difluorobenzene, T	13.00
1,4-Difluorobenzene, T	13.10
1,4-Difluorobenzene, T	13.20
1,4-Difluorobenzene, T	13.30
1,4-Difluorobenzene, T	13.40
1,4-Difluorobenzene, T	13.50
1,4-Difluorobenzene, T	13.60
1,4-Difluorobenzene, T	13.70
1,4-Difluorobenzene, T	13.80
1,4-Difluorobenzene, T	13.90
1,4-Difluorobenzene, T	14.00
1,4-Difluorobenzene, T	14.10
1,4-Difluorobenzene, T	14.20
1,4-Difluorobenzene, T	14.30
1,4-Difluorobenzene, T	14.40
1,4-Difluorobenzene, T	14.50
1,4-Difluorobenzene, T	14.60
1,4-Difluorobenzene, T	14.70
1,4-Difluorobenzene, T	14.80
1,4-Difluorobenzene, T	14.90
1,4-Difluorobenzene, T	15.00
1,4-Difluorobenzene, T	15.10
1,4-Difluorobenzene, T	15.20
1,4-Difluorobenz	