

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
 Data File : VY004915.D
 Acq On : 27 May 2021 21:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/28/2021 6:28:08 PM

Quant Time: May 28 01:08:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	282416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	489466	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	438902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	197068	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	171169	50.92	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.84%			
35) Dibromofluoromethane	7.728	113	140715	52.51	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.02%			
50) Toluene-d8	10.185	98	590265	48.76	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.52%			
62) 4-Bromofluorobenzene	12.483	95	200631	49.11	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.22%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	118764	45.92	ug/l	98
3) Chloromethane	2.119	50	175669	41.92	ug/l	99
4) Vinyl Chloride	2.253	62	170656	39.79	ug/l	100
5) Bromomethane	2.656	94	101720	46.51	ug/l	97
6) Chloroethane	2.796	64	106513	42.09	ug/l	93
7) Trichlorofluoromethane	3.131	101	244185	47.96	ug/l	97
8) Diethyl Ether	3.533	74	102239	56.84	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.911	101	149788	51.86	ug/l	98
10) Methyl Iodide	4.100	142	138100	44.72	ug/l	97
11) Tert butyl alcohol	4.978	59	90709	268.50	ug/l	97
12) 1,1-Dichloroethene	3.881	96	148525	53.20	ug/l	94
13) Acrolein	3.741	56	82624	208.04	ug/l	100
14) Allyl chloride	4.491	41	279840	51.30	ug/l	94
15) Acrylonitrile	5.180	53	246106	272.95	ug/l	99
16) Acetone	3.960	43	199330	263.99	ug/l	94
17) Carbon Disulfide	4.204	76	429506	50.38	ug/l	98
18) Methyl Acetate	4.491	43	132571	55.06	ug/l	96
19) Methyl tert-butyl Ether	5.234	73	436696	56.88	ug/l	98
20) Methylene Chloride	4.728	84	202023	59.30	ug/l	95
21) trans-1,2-Dichloroethene	5.234	96	170156	53.65	ug/l	94
22) Diisopropyl ether	6.131	45	538577	51.33	ug/l	97
23) Vinyl Acetate	6.070	43	1988335	252.31	ug/l	97
24) 1,1-Dichloroethane	6.027	63	323891	54.86	ug/l	99
25) 2-Butanone	6.996	43	352640	262.88	ug/l	96
26) 2,2-Dichloropropane	6.990	77	249060	48.29	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	199714	56.70	ug/l	95
28) Bromochloromethane	7.344	49	153680	53.28	ug/l	92
29) Tetrahydrofuran	7.356	42	218397	255.22	ug/l	93
30) Chloroform	7.514	83	314268	54.02	ug/l	99
31) Cyclohexane	7.789	56	258001	47.41	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	265736	50.96	ug/l	98
36) 1,1-Dichloropropene	7.923	75	237335	47.31	ug/l	99
37) Ethyl Acetate	7.082	43	165682	48.20	ug/l	98
38) Carbon Tetrachloride	7.905	117	221136	49.05	ug/l	98
39) Methylcyclohexane	9.185	83	270777	49.50	ug/l	99
40) Benzene	8.167	78	713757	50.33	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	86310	45.95	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	214523	47.90	ug/l	98
43) Isopropyl Acetate	8.283	43	307728	48.22	ug/l	96
44) Trichloroethene	8.947	130	194218	50.95	ug/l	98
45) 1,2-Dichloropropane	9.221	63	190677	51.40	ug/l	99
46) Dibromomethane	9.307	93	102831	49.84	ug/l	100
47) Bromodichloromethane	9.502	83	245889	50.24	ug/l	98
48) Methyl methacrylate	9.295	41	140108	48.25	ug/l	93
49) 1,4-Dioxane	9.301	88	24593	1012.32	ug/l #	81
51) 4-Methyl-2-Pentanone	10.075	43	813645	236.98	ug/l	96
52) Toluene	10.246	92	445664	49.78	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	267147	49.27	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	304627	50.50	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	147115	51.81	ug/l	99
56) Ethyl methacrylate	10.514	69	215804	52.56	ug/l	91
57) 1,3-Dichloropropane	10.794	76	259049	51.31	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	539059	254.34	ug/l	98
59) 2-Hexanone	10.837	43	561024	241.14	ug/l	93
60) Dibromochloromethane	10.989	129	168053	49.78	ug/l	98
61) 1,2-Dibromoethane	11.093	107	139939	51.12	ug/l	99
64) Tetrachloroethene	10.721	164	195861	49.39	ug/l	98
65) Chlorobenzene	11.520	112	463300	51.29	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	168777	51.39	ug/l	99
67) Ethyl Benzene	11.593	91	857845	51.12	ug/l	99
68) m/p-Xylenes	11.703	106	640420	101.56	ug/l	99
69) o-Xylene	12.032	106	307467	52.17	ug/l	99
70) Styrene	12.044	104	521237	52.76	ug/l	99
71) Bromoform	12.209	173	100837	50.69	ug/l #	99
73) Isopropylbenzene	12.331	105	807465	54.31	ug/l	99
74) N-amyl acetate	12.148	43	266006	50.60	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	165045	55.63	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	114975m	54.93	ug/l	
77) Bromobenzene	12.611	156	182335	54.32	ug/l	98
78) n-propylbenzene	12.672	91	948407	52.27	ug/l	99
79) 2-Chlorotoluene	12.757	91	536449	53.89	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	667617	54.07	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	62601	51.86	ug/l	96
82) 4-Chlorotoluene	12.855	91	548127	53.02	ug/l	99
83) tert-Butylbenzene	13.074	119	557290	52.87	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	681369	55.14	ug/l	99
85) sec-Butylbenzene	13.251	105	811564	52.96	ug/l	100
86) p-Isopropyltoluene	13.367	119	697525	52.51	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	341523	51.87	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	333863	51.46	ug/l	100
89) n-Butylbenzene	13.696	91	651761	50.18	ug/l	99
90) Hexachloroethane	13.965	117	102513	54.79	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	302979	52.16	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	27385	49.40	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	184662	49.36	ug/l	99
94) Hexachlorobutadiene	15.111	225	98579	48.64	ug/l	99
95) Naphthalene	15.239	128	451608	55.77	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	164409	49.65	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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