

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101221\
 Data File : VY006377.D
 Acq On : 12 Oct 2021 14:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/15/2021 6:22:38 PM

Quant Time: Oct 13 07:39:28 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	144311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	219490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	205757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	79845	51.695	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.380%			
35) Dibromofluoromethane	7.722	113	59607	50.831	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.660%			
50) Toluene-d8	10.185	98	247129	50.355	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.700%			
62) 4-Bromofluorobenzene	12.483	95	86719	52.014	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	67675	46.233	ug/l	100
3) Chloromethane	2.119	50	90691	53.192	ug/l	96
4) Vinyl Chloride	2.259	62	104974	55.554	ug/l	99
5) Bromomethane	2.656	94	63341	51.579	ug/l	98
6) Chloroethane	2.796	64	58787	52.874	ug/l	100
7) Trichlorofluoromethane	3.131	101	126254	50.726	ug/l	96
8) Diethyl Ether	3.534	74	42838	52.109	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.906	101	65958	49.642	ug/l	97
10) Methyl Iodide	4.101	142	61938	42.775	ug/l	97
11) Tert butyl alcohol	4.966	59	35150	260.160	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	66627	49.295	ug/l	94
13) Acrolein	3.741	56	23857	249.199	ug/l	99
14) Allyl chloride	4.491	41	131487	50.586	ug/l	98
15) Acrylonitrile	5.167	53	118583	274.254	ug/l	98
16) Acetone	3.954	43	119562	277.153	ug/l	99
17) Carbon Disulfide	4.204	76	208580	46.142	ug/l	100
18) Methyl Acetate	4.485	43	77897	53.550	ug/l	97
19) Methyl tert-butyl Ether	5.235	73	215103	54.496	ug/l	97
20) Methylene Chloride	4.722	84	80733	54.637	ug/l	91
21) trans-1,2-Dichloroethene	5.228	96	76284	50.907	ug/l	94
22) Diisopropyl ether	6.125	45	267809	52.081	ug/l	97
23) Vinyl Acetate	6.070	43	818651	265.602	ug/l	98
24) 1,1-Dichloroethane	6.027	63	140722	50.975	ug/l	98
25) 2-Butanone	6.990	43	160568	267.202	ug/l	93
26) 2,2-Dichloropropane	6.990	77	131601	52.130	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	86784	51.711	ug/l	97
28) Bromochloromethane	7.338	49	57858	50.336	ug/l	93
29) Tetrahydrofuran	7.350	42	101314	266.916	ug/l	95
30) Chloroform	7.509	83	145667	52.896	ug/l	98
31) Cyclohexane	7.789	56	132850	45.400	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	135282	53.203	ug/l	99
36) 1,1-Dichloropropene	7.923	75	109659	50.215	ug/l	99
37) Ethyl Acetate	7.082	43	68155	53.573	ug/l	99
38) Carbon Tetrachloride	7.905	117	123052	53.362	ug/l	100
39) Methylcyclohexane	9.185	83	134299	48.960	ug/l	98
40) Benzene	8.167	78	321302	51.859	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	37736m	45.728	ug/l	
42) 1,2-Dichloroethane	8.240	62	109436	54.821	ug/l	97
43) Isopropyl Acetate	8.277	43	132067	54.125	ug/l	97
44) Trichloroethene	8.941	130	85129	53.200	ug/l	96
45) 1,2-Dichloropropane	9.222	63	77016	50.493	ug/l	98
46) Dibromomethane	9.307	93	44030	54.213	ug/l	96
47) Bromodichloromethane	9.502	83	113648	54.346	ug/l	98
48) Methyl methacrylate	9.295	41	63065	53.875	ug/l	97
49) 1,4-Dioxane	9.301	88	11030	1040.922	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	353788	279.245	ug/l	98
52) Toluene	10.246	92	204013	53.087	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	123067	53.975	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	132891	53.017	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	62154	54.387	ug/l	98
56) Ethyl methacrylate	10.514	69	94685	54.510	ug/l	94
57) 1,3-Dichloropropane	10.788	76	109608	53.005	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	224339	263.590	ug/l	98
59) 2-Hexanone	10.831	43	254307	281.826	ug/l	97
60) Dibromochloromethane	10.990	129	77721	55.977	ug/l	99
61) 1,2-Dibromoethane	11.093	107	58017	53.618	ug/l	99
64) Tetrachloroethene	10.721	164	97320	58.730	ug/l	98
65) Chlorobenzene	11.520	112	214273	52.559	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	81191	54.041	ug/l	99
67) Ethyl Benzene	11.593	91	401844	52.292	ug/l	99
68) m/p-Xylenes	11.703	106	310302	106.409	ug/l	97
69) o-Xylene	12.032	106	146293	53.117	ug/l	98
70) Styrene	12.044	104	255432	54.613	ug/l	98
71) Bromoform	12.209	173	51989	55.644	ug/l #	99
73) Isopropylbenzene	12.331	105	391396	51.555	ug/l	100
74) N-amyl acetate	12.142	43	124331	52.763	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	67642	49.334	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	60199m	58.438	ug/l	
77) Bromobenzene	12.611	156	94141	52.888	ug/l	95
78) n-propylbenzene	12.672	91	480085	51.373	ug/l	99
79) 2-Chlorotoluene	12.758	91	265401	51.323	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	330506	52.063	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	27193	51.875	ug/l	97
82) 4-Chlorotoluene	12.855	91	282477	52.815	ug/l	99
83) tert-Butylbenzene	13.075	119	281621	51.890	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	329317	52.536	ug/l	99
85) sec-Butylbenzene	13.251	105	423010	51.575	ug/l	99
86) p-Isopropyltoluene	13.367	119	361699	52.260	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	187214	53.086	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	183847	52.871	ug/l	99
89) n-Butylbenzene	13.696	91	339169	51.574	ug/l	99
90) Hexachloroethane	13.959	117	64831	51.580	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	164608	53.378	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13818	52.899	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	109092	53.534	ug/l	99
94) Hexachlorobutadiene	15.111	225	68746	51.712	ug/l	99
95) Naphthalene	15.233	128	214339	52.940	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	95668	52.969	ug/l	100

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

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