

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110221\
 Data File : VY006569.D
 Acq On : 02 Nov 2021 11:26
 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

Reviewed By :Vimala Arumugam 11/03/2021
 Supervised By :Mahesh Dadoda 11/03/2021

Quant Time: Nov 03 02:00:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	156652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	246259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	226364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94122	48.826	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.660%		
35) Dibromofluoromethane	7.728	113	71558	52.134	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.260%		
50) Toluene-d8	10.185	98	308047	52.942	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.880%		
62) 4-Bromofluorobenzene	12.483	95	102113	52.098	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.200%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	68005	46.963	ug/l	98
3) Chloromethane	2.119	50	101182	51.767	ug/l	100
4) Vinyl Chloride	2.260	62	111833	51.231	ug/l	98
5) Bromomethane	2.656	94	70920	48.766	ug/l	98
6) Chloroethane	2.802	64	56850	44.103	ug/l	93
7) Trichlorofluoromethane	3.137	101	140768	50.786	ug/l	98
8) Diethyl Ether	3.540	74	44657	49.195	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.912	101	75947	53.819	ug/l	97
10) Methyl Iodide	4.107	142	73412	47.822	ug/l	98
11) Tert butyl alcohol	4.954	59	32044	182.978	ug/l	98
12) 1,1-Dichloroethene	3.881	96	76625	54.180	ug/l	94
13) Acrolein	3.735	56	29252	241.616	ug/l	99
14) Allyl chloride	4.491	41	170682	58.636	ug/l	96
15) Acrylonitrile	5.174	53	118562	231.932	ug/l	99
16) Acetone	3.954	43	145051	261.318	ug/l	97
17) Carbon Disulfide	4.204	76	252284	54.386	ug/l	100
18) Methyl Acetate	4.485	43	83163	46.203	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	218852	48.267	ug/l	97
20) Methylene Chloride	4.729	84	89525	52.127	ug/l	88
21) trans-1,2-Dichloroethene	5.229	96	85220	53.135	ug/l	98
22) Diisopropyl ether	6.125	45	340704	58.728	ug/l	97
23) Vinyl Acetate	6.070	43	944698	267.734	ug/l	98
24) 1,1-Dichloroethane	6.027	63	171410	56.506	ug/l	99
25) 2-Butanone	6.997	43	181130	249.078	ug/l	96
26) 2,2-Dichloropropane	6.990	77	154323	53.486	ug/l	100
27) cis-1,2-Dichloroethene	6.997	96	96431	52.667	ug/l	95
28) Bromochloromethane	7.338	49	67557	54.890	ug/l #	17
29) Tetrahydrofuran	7.356	42	105740	237.007	ug/l	93
30) Chloroform	7.515	83	163366	52.148	ug/l	98
31) Cyclohexane	7.789	56	171414	54.927	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	148720	51.413	ug/l	99
36) 1,1-Dichloropropene	7.923	75	130054	53.449	ug/l	99
37) Ethyl Acetate	7.082	43	73565	47.772	ug/l	99
38) Carbon Tetrachloride	7.905	117	132018	49.183	ug/l	98
39) Methylcyclohexane	9.185	83	159231	53.757	ug/l	96
40) Benzene	8.167	78	364947	52.587	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	40184	45.988	ug/l #	38
42) 1,2-Dichloroethane	8.246	62	116870	47.158	ug/l	99
43) Isopropyl Acetate	8.277	43	143835	48.148	ug/l	99
44) Trichloroethene	8.947	130	92414	51.633	ug/l	98
45) 1,2-Dichloropropane	9.222	63	96428	56.096	ug/l	99
46) Dibromomethane	9.307	93	46370	49.143	ug/l	95
47) Bromodichloromethane	9.502	83	123355	50.254	ug/l	100
48) Methyl methacrylate	9.295	41	65959	47.640	ug/l	96
49) 1,4-Dioxane	9.295	88	10340	807.170	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	370443	236.557	ug/l	99
52) Toluene	10.246	92	222667	51.138	ug/l	98
53) t-1,3-Dichloropropene	10.472	75	130887	49.497	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	149612	52.221	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	62639	48.013	ug/l	94
56) Ethyl methacrylate	10.514	69	97957	48.601	ug/l	97
57) 1,3-Dichloropropane	10.795	76	117374	49.503	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	230314	250.491	ug/l	96
59) 2-Hexanone	10.837	43	278557	245.777	ug/l	99
60) Dibromochloromethane	10.990	129	75678	47.027	ug/l	100
61) 1,2-Dibromoethane	11.093	107	58848	47.910	ug/l	95
64) Tetrachloroethene	10.721	164	104919	53.007	ug/l	95
65) Chlorobenzene	11.520	112	222613	50.532	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	82564	49.784	ug/l	99
67) Ethyl Benzene	11.599	91	444388	52.975	ug/l	99
68) m/p-Xylenes	11.709	106	330081	104.596	ug/l	99
69) o-Xylene	12.032	106	155988	51.802	ug/l	100
70) Styrene	12.044	104	263541	51.188	ug/l	99
71) Bromoform	12.209	173	45605	43.503	ug/l #	100
73) Isopropylbenzene	12.331	105	419286	54.703	ug/l	99
74) N-amyl acetate	12.148	43	131763	51.821	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	63182	47.614	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	52525m	46.518	ug/l	
77) Bromobenzene	12.611	156	91002	50.393	ug/l	94
78) n-propylbenzene	12.672	91	524206	55.341	ug/l	99
79) 2-Chlorotoluene	12.758	91	289058	55.121	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	345686	53.861	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	26684	48.517	ug/l	98
82) 4-Chlorotoluene	12.855	91	296641	54.287	ug/l	99
83) tert-Butylbenzene	13.081	119	296173	53.701	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	341625	53.236	ug/l	98
85) sec-Butylbenzene	13.258	105	449306	54.256	ug/l	99
86) p-Isopropyltoluene	13.373	119	374900	53.066	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	183094	50.518	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	180048	50.524	ug/l	99
89) n-Butylbenzene	13.703	91	368598	55.463	ug/l	99
90) Hexachloroethane	13.965	117	68841	53.953	ug/l	95
91) 1,2-Dichlorobenzene	13.745	146	158693	49.920	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12144	43.108	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	100684	47.977	ug/l	99
94) Hexachlorobutadiene	15.111	225	67165	49.936	ug/l	99
95) Naphthalene	15.239	128	181332	44.144	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	86780	47.220	ug/l	99

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

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