

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011822\
 Data File : VY007214.D
 Acq On : 18 Jan 2022 17:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/19/2022
 Supervised By : Mahesh Dadoda 01/19/2022

Quant Time: Jan 19 00:32:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	115538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	197078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	174666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	73573	51.897	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.800%			
35) Dibromofluoromethane	7.722	113	65786	49.366	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.740%			
50) Toluene-d8	10.179	98	241341	49.564	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.120%			
62) 4-Bromofluorobenzene	12.483	95	86193	49.763	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.924	85	21008	51.856	ug/l	92
3) Chloromethane	2.113	50	40673	47.875	ug/l	96
4) Vinyl Chloride	2.259	62	66177	53.520	ug/l	99
5) Bromomethane	2.662	94	44410	55.466	ug/l	96
6) Chloroethane	2.802	64	42833	55.519	ug/l	96
7) Trichlorofluoromethane	3.131	101	65401	49.078	ug/l	96
8) Diethyl Ether	3.528	74	38371	52.290	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.906	101	67609	52.073	ug/l	97
10) Methyl Iodide	4.095	142	97949	51.007	ug/l	97
11) Tert butyl alcohol	4.954	59	31730	262.738	ug/l #	86
12) 1,1-Dichloroethene	3.875	96	66822	51.111	ug/l	93
13) Acrolein	3.735	56	5584	188.252	ug/l	96
14) Allyl chloride	4.479	41	113487	54.137	ug/l	97
15) Acrylonitrile	5.161	53	92907	263.437	ug/l	96
16) Acetone	3.942	43	80047	217.567	ug/l	96
17) Carbon Disulfide	4.198	76	182324	50.218	ug/l	100
18) Methyl Acetate	4.472	43	64735	49.449	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	140431	54.561	ug/l	99
20) Methylene Chloride	4.716	84	72018	47.337	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	72447	51.114	ug/l	97
22) Diisopropyl ether	6.119	45	232952	54.853	ug/l	99
23) Vinyl Acetate	6.064	43	704000	281.879	ug/l	98
24) 1,1-Dichloroethane	6.027	63	136892	52.989	ug/l	98
25) 2-Butanone	6.984	43	123002	258.579	ug/l	98
26) 2,2-Dichloropropane	6.984	77	97572	51.824	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	82524	51.327	ug/l	95
28) Bromochloromethane	7.332	49	55852	59.768	ug/l	93
29) Tetrahydrofuran	7.350	42	83166	271.979	ug/l	95
30) Chloroform	7.509	83	142471	53.077	ug/l	99
31) Cyclohexane	7.789	56	118963	49.635	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	122375	53.339	ug/l	97
36) 1,1-Dichloropropene	7.917	75	109812	51.595	ug/l	99
37) Ethyl Acetate	7.076	43	58011	53.111	ug/l	97
38) Carbon Tetrachloride	7.905	117	113181	50.557	ug/l	97
39) Methylcyclohexane	9.185	83	132078	50.826	ug/l	99
40) Benzene	8.161	78	291779	51.394	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	29534m	46.954	ug/l	
42) 1,2-Dichloroethane	8.240	62	95863	53.621	ug/l	97
43) Isopropyl Acetate	8.277	43	114570	53.907	ug/l	96
44) Trichloroethene	8.941	130	76663	49.901	ug/l	95
45) 1,2-Dichloropropane	9.216	63	74230	51.415	ug/l	94
46) Dibromomethane	9.307	93	44113	51.670	ug/l	97
47) Bromodichloromethane	9.496	83	110916	52.847	ug/l	99
48) Methyl methacrylate	9.295	41	50522	52.263	ug/l	95
49) 1,4-Dioxane	9.307	88	10446	1134.781	ug/l #	91
51) 4-Methyl-2-Pentanone	10.069	43	289638	268.772	ug/l	95
52) Toluene	10.246	92	187028	51.972	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	116566	52.612	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	128527	51.824	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	58271	50.319	ug/l	98
56) Ethyl methacrylate	10.508	69	86347	52.927	ug/l	94
57) 1,3-Dichloropropane	10.788	76	105706	52.368	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	176164	237.471	ug/l	98
59) 2-Hexanone	10.831	43	188994	258.419	ug/l	95
60) Dibromochloromethane	10.983	129	74111	52.060	ug/l	99
61) 1,2-Dibromoethane	11.087	107	58916	51.787	ug/l	98
64) Tetrachloroethene	10.721	164	61970	49.222	ug/l	98
65) Chlorobenzene	11.520	112	193390	50.637	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	72796	51.419	ug/l	99
67) Ethyl Benzene	11.593	91	367780	51.236	ug/l	100
68) m/p-Xylenes	11.703	106	270916	101.561	ug/l	99
69) o-Xylene	12.032	106	128693	51.230	ug/l	99
70) Styrene	12.044	104	218299	51.512	ug/l	98
71) Bromoform	12.209	173	41782	51.022	ug/l #	100
73) Isopropylbenzene	12.331	105	344847	50.967	ug/l	99
74) N-amyl acetate	12.142	43	98043	54.188	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	68571	52.118	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	45853m	51.332	ug/l	
77) Bromobenzene	12.611	156	74292	50.461	ug/l	96
78) n-propylbenzene	12.672	91	429020	51.149	ug/l	99
79) 2-Chlorotoluene	12.758	91	239394	51.334	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	284737	51.253	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	24912	51.057	ug/l #	95
82) 4-Chlorotoluene	12.855	91	251029	51.602	ug/l	99
83) tert-Butylbenzene	13.075	119	243792	50.786	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	281653	51.147	ug/l	99
85) sec-Butylbenzene	13.257	105	366691	51.060	ug/l	100
86) p-Isopropyltoluene	13.373	119	300995	51.001	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	146016	50.670	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	144582	49.896	ug/l	100
89) n-Butylbenzene	13.696	91	293799	50.559	ug/l	100
90) Hexachloroethane	13.965	117	59726	51.765	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	126865	49.479	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10678	46.990	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	73266	46.989	ug/l	99
94) Hexachlorobutadiene	15.111	225	38359	47.735	ug/l	98
95) Naphthalene	15.239	128	154766	46.734	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	61729	46.405	ug/l	99

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

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