

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110323\
 Data File : VY016217.D
 Acq On : 03 Nov 2023 17:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/06/2023
 Supervised By : Mahesh Dadoda 11/06/2023

Quant Time: Nov 03 23:04:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	163635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	264997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	229970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	109003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	78536	51.291	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.580%			
35) Dibromofluoromethane	7.728	113	74662	47.259	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.520%			
50) Toluene-d8	10.185	98	306126	48.873	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.740%			
62) 4-Bromofluorobenzene	12.489	95	103433	48.291	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	53181	50.949	ug/l	98
3) Chloromethane	2.119	50	68337	47.286	ug/l	96
4) Vinyl Chloride	2.259	62	77848	52.191	ug/l	96
5) Bromomethane	2.656	94	52815	52.467	ug/l	98
6) Chloroethane	2.802	64	53790	51.223	ug/l	97
7) Trichlorofluoromethane	3.137	101	121179	53.813	ug/l	99
8) Diethyl Ether	3.540	74	41633	55.783	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.912	101	73796	52.019	ug/l	97
10) Methyl Iodide	4.101	142	84130	53.332	ug/l	98
11) Tert butyl alcohol	4.972	59	32808	286.777	ug/l #	83
12) 1,1-Dichloroethene	3.887	96	67164	51.872	ug/l	91
13) Acrolein	3.741	56	31911	305.430	ug/l	98
14) Allyl chloride	4.497	41	105150	56.775	ug/l #	94
15) Acrylonitrile	5.180	53	91204	285.975	ug/l	98
16) Acetone	3.960	43	66087	272.063	ug/l #	88
17) Carbon Disulfide	4.210	76	165318	51.140	ug/l	99
18) Methyl Acetate	4.491	43	71882	58.375	ug/l	91
19) Methyl tert-butyl Ether	5.234	73	208862	56.709	ug/l	100
20) Methylene Chloride	4.728	84	83478	53.835	ug/l	88
21) trans-1,2-Dichloroethene	5.234	96	79698	52.842	ug/l	93
22) Diisopropyl ether	6.131	45	251706	56.189	ug/l	90
23) Vinyl Acetate	6.076	43	619626	281.724	ug/l #	93
24) 1,1-Dichloroethane	6.033	63	145704	54.347	ug/l	97
25) 2-Butanone	6.996	43	116693	276.236	ug/l	95
26) 2,2-Dichloropropane	6.996	77	134872	53.217	ug/l	98
27) cis-1,2-Dichloroethene	7.002	96	97042	54.674	ug/l	92
28) Bromochloromethane	7.350	49	54236	54.061	ug/l	90
29) Tetrahydrofuran	7.356	42	78283	295.620	ug/l	90
30) Chloroform	7.521	83	160502	54.988	ug/l	95
31) Cyclohexane	7.795	56	117743	50.023	ug/l	93
32) 1,1,1-Trichloroethane	7.716	97	141957	53.032	ug/l	98
36) 1,1-Dichloropropene	7.929	75	114390	50.143	ug/l	99
37) Ethyl Acetate	7.082	43	55671	54.790	ug/l #	95
38) Carbon Tetrachloride	7.911	117	124384	55.035	ug/l	97
39) Methylcyclohexane	9.191	83	138857	50.993	ug/l	91
40) Benzene	8.173	78	336779	51.422	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	28918m	49.032	ug/l	
42) 1,2-Dichloroethane	8.246	62	96265	52.671	ug/l	94
43) Isopropyl Acetate	8.283	43	110557	55.008	ug/l	93
44) Trichloroethene	8.947	130	97680	50.966	ug/l	97
45) 1,2-Dichloropropane	9.222	63	85141	54.040	ug/l	98
46) Dibromomethane	9.313	93	47829	53.515	ug/l	98
47) Bromodichloromethane	9.502	83	123978	54.597	ug/l	99
48) Methyl methacrylate	9.301	41	49205	53.839	ug/l	89
49) 1,4-Dioxane	9.307	88	10895	1027.932	ug/l #	56
51) 4-Methyl-2-Pentanone	10.075	43	285503	284.693	ug/l	92
52) Toluene	10.252	92	220991	52.073	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	123704	54.570	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	141178	53.075	ug/l	92
55) 1,1,2-Trichloroethane	10.654	97	67267	53.506	ug/l	97
56) Ethyl methacrylate	10.514	69	91867	56.267	ug/l #	87
57) 1,3-Dichloropropane	10.794	76	113400	52.985	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	208202	262.979	ug/l	93
59) 2-Hexanone	10.837	43	196464	285.885	ug/l	89
60) Dibromochloromethane	10.990	129	85422	54.160	ug/l	100
61) 1,2-Dibromoethane	11.093	107	64040	53.554	ug/l	99
64) Tetrachloroethene	10.727	164	97768	47.795	ug/l	98
65) Chlorobenzene	11.526	112	236078	51.670	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	91544	54.095	ug/l	99
67) Ethyl Benzene	11.599	91	425800	52.104	ug/l	99
68) m/p-Xylenes	11.709	106	328418	104.001	ug/l	94
69) o-Xylene	12.038	106	157693	52.302	ug/l	97
70) Styrene	12.050	104	264198	52.710	ug/l	97
71) Bromoform	12.215	173	51929	55.313	ug/l #	98
73) Isopropylbenzene	12.337	105	421941	51.604	ug/l	100
74) N-amyl acetate	12.148	43	98203	55.269	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	71669	55.083	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	56809m	55.343	ug/l	
77) Bromobenzene	12.617	156	96815	52.291	ug/l	96
78) n-propylbenzene	12.678	91	494350	51.138	ug/l	99
79) 2-Chlorotoluene	12.764	91	277418	51.453	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	340398	51.385	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	26314	55.582	ug/l	94
82) 4-Chlorotoluene	12.861	91	281013	50.756	ug/l	97
83) tert-Butylbenzene	13.081	119	304366	51.350	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	335883	51.242	ug/l	98
85) sec-Butylbenzene	13.257	105	451039	51.846	ug/l	99
86) p-Isopropyltoluene	13.373	119	369341	51.225	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	187796	51.287	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	184243	50.909	ug/l	99
89) n-Butylbenzene	13.702	91	342073	51.634	ug/l	97
90) Hexachloroethane	13.965	117	70250	56.538	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	166385	52.592	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11192	48.065	ug/l	87
93) 1,2,4-Trichlorobenzene	15.013	180	98544	50.466	ug/l	99
94) Hexachlorobutadiene	15.117	225	54179	50.775	ug/l	97
95) Naphthalene	15.245	128	189621	49.986	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	83134	49.839	ug/l	100

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

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