

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040422\
 Data File : VY008174.D
 Acq On : 04 Apr 2022 11:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/05/2022
 Supervised By : Mahesh Dadoda 04/05/2022

Quant Time: Apr 05 04:39:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	174542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	294869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	265631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	133719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	81269	46.408	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.820%
35) Dibromofluoromethane	7.722	113	88213	47.715	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.440%
50) Toluene-d8	10.185	98	325521	46.735	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.480%
62) 4-Bromofluorobenzene	12.483	95	114472	46.584	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.160%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	67409	42.842	ug/l	98
3) Chloromethane	2.113	50	90758	47.368	ug/l	95
4) Vinyl Chloride	2.253	62	118908	46.643	ug/l	98
5) Bromomethane	2.650	94	94094	45.038	ug/l	98
6) Chloroethane	2.796	64	80824	48.198	ug/l	100
7) Trichlorofluoromethane	3.131	101	139327	43.205	ug/l	94
8) Diethyl Ether	3.534	74	49729	47.619	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.906	101	91088	45.535	ug/l	92
10) Methyl Iodide	4.095	142	107873	46.299	ug/l	89
11) Tert butyl alcohol	4.954	59	39387	216.780	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	84002	45.360	ug/l	82
13) Acrolein	3.735	56	29946	202.495	ug/l	98
14) Allyl chloride	4.485	41	114601	47.035	ug/l #	90
15) Acrylonitrile	5.161	53	122010	245.277	ug/l	97
16) Acetone	3.948	43	105622	263.877	ug/l #	83
17) Carbon Disulfide	4.198	76	235763	44.930	ug/l	99
18) Methyl Acetate	4.479	43	49215	46.265	ug/l #	79
19) Methyl tert-butyl Ether	5.222	73	251282	47.747	ug/l	95
20) Methylene Chloride	4.716	84	100984	49.545	ug/l #	77
21) trans-1,2-Dichloroethene	5.222	96	101042	47.121	ug/l #	82
22) Diisopropyl ether	6.119	45	260437	49.683	ug/l #	92
23) Vinyl Acetate	6.064	43	836702	257.597	ug/l #	85
24) 1,1-Dichloroethane	6.021	63	167693	48.321	ug/l	97
25) 2-Butanone	6.984	43	153502	252.006	ug/l #	78
26) 2,2-Dichloropropane	6.984	77	155415	47.288	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	118697	47.756	ug/l	82
28) Bromochloromethane	7.338	49	46551	51.000	ug/l #	70
29) Tetrahydrofuran	7.344	42	95808	241.934	ug/l #	74
30) Chloroform	7.509	83	180449	48.021	ug/l	100
31) Cyclohexane	7.789	56	138635	42.353	ug/l #	84
32) 1,1,1-Trichloroethane	7.704	97	162148	46.701	ug/l	95
36) 1,1-Dichloropropene	7.917	75	135281	46.584	ug/l	96
37) Ethyl Acetate	7.076	43	64238	47.351	ug/l #	89
38) Carbon Tetrachloride	7.899	117	143481	45.337	ug/l	97
39) Methylcyclohexane	9.185	83	170410	43.474	ug/l #	86
40) Benzene	8.161	78	398831	48.012	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	32649m	47.929	ug/l	90
42) 1,2-Dichloroethane	8.240	62	110625	47.473	ug/l	90
43) Isopropyl Acetate	8.271	43	125426	47.097	ug/l #	84
44) Trichloroethene	8.941	130	111832	46.556	ug/l	100
45) 1,2-Dichloropropane	9.222	63	95544	48.803	ug/l	95
46) Dibromomethane	9.307	93	60518	47.013	ug/l	96
47) Bromodichloromethane	9.496	83	142551	48.428	ug/l	97
48) Methyl methacrylate	9.295	41	53570	45.416	ug/l #	76
49) 1,4-Dioxane	9.295	88	15964	932.884	ug/l #	85
51) 4-Methyl-2-Pentanone	10.075	43	331898	247.096	ug/l #	83
52) Toluene	10.246	92	265924	48.813	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	147215	48.790	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	165549	48.468	ug/l #	83
55) 1,1,2-Trichloroethane	10.648	97	87060	48.980	ug/l	97
56) Ethyl methacrylate	10.514	69	110894	47.828	ug/l #	74
57) 1,3-Dichloropropane	10.795	76	141833	48.754	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	212894	221.611	ug/l	90
59) 2-Hexanone	10.837	43	237750	252.953	ug/l	81
60) Dibromochloromethane	10.990	129	105229	48.677	ug/l	100
61) 1,2-Dibromoethane	11.093	107	84997	48.013	ug/l	100
64) Tetrachloroethene	10.721	164	93442	45.801	ug/l	97
65) Chlorobenzene	11.520	112	289791	48.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	108937	49.309	ug/l	97
67) Ethyl Benzene	11.599	91	508070	48.399	ug/l	96
68) m/p-Xylenes	11.709	106	406129	97.295	ug/l	91
69) o-Xylene	12.032	106	197048	49.303	ug/l	88
70) Styrene	12.050	104	327923	50.121	ug/l	94
71) Bromoform	12.215	173	65250	48.916	ug/l #	99
73) Isopropylbenzene	12.337	105	510011	46.208	ug/l	98
74) N-amyl acetate	12.148	43	108579	44.752	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.587	83	102456	47.758	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	71686m	43.978	ug/l	92
77) Bromobenzene	12.611	156	119773	47.301	ug/l	92
78) n-propylbenzene	12.678	91	605147	46.482	ug/l	97
79) 2-Chlorotoluene	12.764	91	336399	46.579	ug/l	95
80) 1,3,5-Trimethylbenzene	12.819	105	421072	46.568	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	34853	47.706	ug/l #	77
82) 4-Chlorotoluene	12.861	91	348792	47.068	ug/l	95
83) tert-Butylbenzene	13.081	119	378994	47.046	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	417978	47.469	ug/l	96
85) sec-Butylbenzene	13.258	105	556048	46.764	ug/l	98
86) p-Isopropyltoluene	13.373	119	466929	47.185	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	244690	48.741	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	240625	48.063	ug/l	98
89) n-Butylbenzene	13.703	91	424046	46.574	ug/l	98
90) Hexachloroethane	13.965	117	85940	44.822	ug/l	85
91) 1,2-Dichlorobenzene	13.745	146	212288	48.030	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15268	44.590	ug/l	73
93) 1,2,4-Trichlorobenzene	15.013	180	120441	45.498	ug/l	99
94) Hexachlorobutadiene	15.117	225	61807	44.135	ug/l	99
95) Naphthalene	15.245	128	265476	45.370	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	102998	44.967	ug/l	98

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

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