

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120522\
 Data File : VY011708.D
 Acq On : 05 Dec 2022 19:46
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/06/2022
 Supervised By :Mahesh Dadoda 12/06/2022

Quant Time: Dec 06 00:38:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	182784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	279239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	256877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	128351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	94608	50.975	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.940%			
35) Dibromofluoromethane	7.716	113	92693	53.923	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.840%			
50) Toluene-d8	10.179	98	315385	50.489	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.980%			
62) 4-Bromofluorobenzene	12.483	95	122606	53.086	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45973	46.237	ug/l	98
3) Chloromethane	2.113	50	63918	40.267	ug/l	98
4) Vinyl Chloride	2.253	62	75596	36.566	ug/l	100
5) Bromomethane	2.650	94	53878	40.026	ug/l	96
6) Chloroethane	2.796	64	53751	37.264	ug/l	98
7) Trichlorofluoromethane	3.125	101	139635	46.046	ug/l	95
8) Diethyl Ether	3.527	74	46999	47.953	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.905	101	85094	48.526	ug/l	97
10) Methyl Iodide	4.088	142	97741	47.841	ug/l	96
11) Tert butyl alcohol	4.948	59	52315	261.607	ug/l	99
12) 1,1-Dichloroethene	3.869	96	76353	47.534	ug/l	90
13) Acrolein	3.729	56	9254	189.098	ug/l	99
14) Allyl chloride	4.478	41	130999	46.457	ug/l #	92
15) Acrylonitrile	5.161	53	134566	251.372	ug/l	98
16) Acetone	3.948	43	117591	195.056	ug/l	90
17) Carbon Disulfide	4.192	76	191753	43.072	ug/l	100
18) Methyl Acetate	4.472	43	65858	47.112	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	236981	51.694	ug/l	99
20) Methylene Chloride	4.716	84	111988	49.516	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	89140	48.023	ug/l	90
22) Diisopropyl ether	6.118	45	296923	48.240	ug/l	93
23) Vinyl Acetate	6.057	43	895433	249.742	ug/l	95
24) 1,1-Dichloroethane	6.015	63	173409	47.983	ug/l	99
25) 2-Butanone	6.984	43	170586	215.308	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	158022	47.377	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	107760	49.312	ug/l	92
28) Bromochloromethane	7.338	49	68368	47.091	ug/l	88
29) Tetrahydrofuran	7.350	42	107516	240.295	ug/l	89
30) Chloroform	7.508	83	188107	50.191	ug/l	97
31) Cyclohexane	7.783	56	135735	44.122	ug/l	97
32) 1,1,1-Trichloroethane	7.703	97	165761	49.442	ug/l	97
36) 1,1-Dichloropropene	7.917	75	130024	48.390	ug/l	98
37) Ethyl Acetate	7.069	43	73996	48.362	ug/l	96
38) Carbon Tetrachloride	7.899	117	152297	50.661	ug/l	98
39) Methylcyclohexane	9.185	83	147610	49.227	ug/l	95
40) Benzene	8.161	78	386214	49.343	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	39207m	50.681	ug/l	
42) 1,2-Dichloroethane	8.234	62	118736	49.051	ug/l	93
43) Isopropyl Acetate	8.270	43	131673	47.704	ug/l #	91
44) Trichloroethene	8.941	130	105044	49.880	ug/l	98
45) 1,2-Dichloropropane	9.215	63	97845	48.907	ug/l	95
46) Dibromomethane	9.301	93	54415	48.644	ug/l	97
47) Bromodichloromethane	9.496	83	143461	50.914	ug/l	100
48) Methyl methacrylate	9.295	41	60010	48.947	ug/l #	86
49) 1,4-Dioxane	9.295	88	14835	1070.856	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	378481	246.664	ug/l	92
52) Toluene	10.246	92	247104	49.924	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	140065	49.728	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	157785	49.796	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	79605	49.741	ug/l	98
56) Ethyl methacrylate	10.508	69	105181	52.843	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	136402	50.325	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	242922	249.198	ug/l	96
59) 2-Hexanone	10.831	43	257806	235.411	ug/l	90
60) Dibromochloromethane	10.983	129	101402	51.702	ug/l	100
61) 1,2-Dibromoethane	11.087	107	73346	50.209	ug/l	99
64) Tetrachloroethene	10.721	164	104829	49.522	ug/l	98
65) Chlorobenzene	11.514	112	264925	49.251	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	104302	51.160	ug/l	99
67) Ethyl Benzene	11.593	91	485387	49.976	ug/l	98
68) m/p-Xylenes	11.703	106	367753	99.468	ug/l	97
69) o-Xylene	12.032	106	174932	50.820	ug/l	97
70) Styrene	12.044	104	301959	51.391	ug/l	97
71) Bromoform	12.209	173	63087	50.864	ug/l #	99
73) Isopropylbenzene	12.331	105	482000	51.925	ug/l	100
74) N-amyl acetate	12.142	43	109265	47.666	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	90363	49.401	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	71900m	52.017	ug/l	
77) Bromobenzene	12.611	156	109851	50.680	ug/l	96
78) n-propylbenzene	12.672	91	575968	50.859	ug/l	98
79) 2-Chlorotoluene	12.757	91	318609	49.915	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	406451	51.944	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	30943	49.033	ug/l	91
82) 4-Chlorotoluene	12.855	91	329732	49.404	ug/l	100
83) tert-Butylbenzene	13.074	119	355486	52.158	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	397546	51.440	ug/l	100
85) sec-Butylbenzene	13.251	105	524092	51.537	ug/l	99
86) p-Isopropyltoluene	13.367	119	437725	51.576	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	216775	49.130	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	211448	47.926	ug/l	99
89) n-Butylbenzene	13.696	91	397519	50.952	ug/l	99
90) Hexachloroethane	13.958	117	84315	49.196	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	193263	49.413	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14669	48.900	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	109588	50.515	ug/l	99
94) Hexachlorobutadiene	15.111	225	71454	52.987	ug/l	99
95) Naphthalene	15.233	128	222526	49.015	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	95328	51.274	ug/l	99

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

