

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY008995.D
 Acq On : 23 May 2022 10:33
 Operator : KP/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 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 24 01:45:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	125940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	200038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	207168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	59738	46.089	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.180%		
35) Dibromofluoromethane	7.716	113	62508	50.251	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.500%		
50) Toluene-d8	10.179	98	210264	45.819	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.640%		
62) 4-Bromofluorobenzene	12.483	95	109958	59.400	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	118.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	64074	55.626	ug/l	95
3) Chloromethane	2.113	50	99946	60.566	ug/l	97
4) Vinyl Chloride	2.247	62	139024	56.865	ug/l	100
5) Bromomethane	2.644	94	109565	45.718	ug/l	100
6) Chloroethane	2.790	64	94181	54.376	ug/l	95
7) Trichlorofluoromethane	3.125	101	111306	53.610	ug/l	92
8) Diethyl Ether	3.534	74	34325	52.872	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.899	101	68962	54.044	ug/l	93
10) Methyl Iodide	4.088	142	77178	58.573	ug/l	93
11) Tert butyl alcohol	4.948	59	28901	219.826	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	64194	54.192	ug/l	87
13) Acrolein	3.723	56	6101	140.982	ug/l	95
14) Allyl chloride	4.479	41	99422	55.693	ug/l #	89
15) Acrylonitrile	5.161	53	94607	260.271	ug/l	98
16) Acetone	3.942	43	75766	280.819	ug/l	90
17) Carbon Disulfide	4.192	76	212957	55.028	ug/l	99
18) Methyl Acetate	4.473	43	41360	49.229	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	188582	53.040	ug/l	97
20) Methylene Chloride	4.716	84	74922	49.650	ug/l	89
21) trans-1,2-Dichloroethene	5.216	96	80702	53.079	ug/l	86
22) Diisopropyl ether	6.119	45	244016	56.896	ug/l #	94
23) Vinyl Acetate	6.058	43	795959	280.568	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	141069	54.993	ug/l	99
25) 2-Butanone	6.984	43	129048	267.791	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	131477	55.640	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	92827	54.160	ug/l	88
28) Bromochloromethane	7.332	49	45356	51.513	ug/l #	91
29) Tetrahydrofuran	7.344	42	86188	263.295	ug/l #	87
30) Chloroform	7.502	83	151734	54.797	ug/l	99
31) Cyclohexane	7.777	56	134107	52.888	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	136331	54.268	ug/l	98
36) 1,1-Dichloropropene	7.917	75	121859	57.565	ug/l	99
37) Ethyl Acetate	7.070	43	58069	52.881	ug/l #	94
38) Carbon Tetrachloride	7.899	117	124745	56.331	ug/l	99
39) Methylcyclohexane	9.185	83	156313	57.206	ug/l	88
40) Benzene	8.161	78	348592	57.106	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	32189m	56.806	ug/l	
42) 1,2-Dichloroethane	8.234	62	100789	56.229	ug/l	92
43) Isopropyl Acetate	8.271	43	115059	56.351	ug/l #	92
44) Trichloroethene	8.941	130	90579	56.040	ug/l	97
45) 1,2-Dichloropropane	9.216	63	86095	58.738	ug/l	95
46) Dibromomethane	9.307	93	52045	55.842	ug/l	94
47) Bromodichloromethane	9.496	83	121494	57.039	ug/l	97
48) Methyl methacrylate	9.289	41	52162	57.212	ug/l #	88
49) 1,4-Dioxane	9.295	88	12798	1027.224	ug/l	86
51) 4-Methyl-2-Pentanone	10.069	43	316061	279.698	ug/l	91
52) Toluene	10.246	92	251939	59.058	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	135216	59.779	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	140924	57.955	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	74175	56.886	ug/l	98
56) Ethyl methacrylate	10.508	69	97212	58.313	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	123525	58.074	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	206593	286.450	ug/l	95
59) 2-Hexanone	10.831	43	228244	295.009	ug/l	89
60) Dibromochloromethane	10.984	129	90589	57.312	ug/l	99
61) 1,2-Dibromoethane	11.087	107	71548	55.374	ug/l	100
64) Tetrachloroethene	10.721	164	80648	53.484	ug/l	99
65) Chlorobenzene	11.514	112	262953	55.301	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	98388	56.509	ug/l	97
67) Ethyl Benzene	11.593	91	490273	57.214	ug/l	97
68) m/p-Xylenes	11.703	106	415940	119.569	ug/l	91
69) o-Xylene	12.032	106	192152	59.483	ug/l	90
70) Styrene	12.044	104	335862	60.458	ug/l	94
71) Bromoform	12.209	173	65404	56.667	ug/l #	100
73) Isopropylbenzene	12.331	105	520696	52.142	ug/l	100
74) N-amyl acetate	12.142	43	125296	54.381	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	100727	48.965	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	74782m	52.143	ug/l	
77) Bromobenzene	12.611	156	118266	51.089	ug/l	93
78) n-propylbenzene	12.672	91	658017	57.033	ug/l	100
79) 2-Chlorotoluene	12.758	91	356756	53.606	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	462209	55.221	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	36604	52.385	ug/l #	85
82) 4-Chlorotoluene	12.855	91	400510	56.266	ug/l	97
83) tert-Butylbenzene	13.075	119	401137	54.019	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	466369	56.127	ug/l	97
85) sec-Butylbenzene	13.251	105	641326	56.446	ug/l	99
86) p-Isopropyltoluene	13.373	119	545052	57.527	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	271869	55.056	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	267455	53.911	ug/l	99
89) n-Butylbenzene	13.696	91	491856	56.745	ug/l	100
90) Hexachloroethane	13.959	117	94568	53.262	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	238434	54.700	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14827	46.425	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	120634	50.426	ug/l	100
94) Hexachlorobutadiene	15.111	225	64560	49.515	ug/l	97
95) Naphthalene	15.239	128	237238	49.365	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	103980	50.018	ug/l	99

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

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