

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071122\
 Data File : VY009520.D
 Acq On : 11 Jul 2022 18:57
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/12/2022
 Supervised By : Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 05:05:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	133068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	215303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	194956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	88386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	48449	51.938	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.880%			
35) Dibromofluoromethane	7.703	113	51656	45.598	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.200%			
50) Toluene-d8	10.173	98	148325	47.318	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 94.640%			
62) 4-Bromofluorobenzene	12.477	95	76417	47.787	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 95.580%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	55123	54.018	ug/l	100
3) Chloromethane	2.107	50	69876	61.318	ug/l	98
4) Vinyl Chloride	2.241	62	81157	62.552	ug/l	100
5) Bromomethane	2.631	94	51085	54.806	ug/l	97
6) Chloroethane	2.778	64	47008	62.057	ug/l	100
7) Trichlorofluoromethane	3.107	101	103130	59.536	ug/l	98
8) Diethyl Ether	3.521	74	37459	56.523	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	60801	51.805	ug/l	97
10) Methyl Iodide	4.076	142	78538	49.817	ug/l	91
11) Tert butyl alcohol	4.942	59	36488	207.780	ug/l #	93
12) 1,1-Dichloroethene	3.857	96	59693	54.836	ug/l	91
13) Acrolein	3.729	56	5193	73.602	ug/l	99
14) Allyl chloride	4.466	41	90518	48.329	ug/l	97
15) Acrylonitrile	5.155	53	101293	277.776	ug/l	99
16) Acetone	3.936	43	90988	281.081	ug/l	89
17) Carbon Disulfide	4.180	76	296509	79.139	ug/l	99
18) Methyl Acetate	4.466	43	71587	75.320	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	193195	58.637	ug/l	99
20) Methylene Chloride	4.704	84	75644	49.286	ug/l	89
21) trans-1,2-Dichloroethene	5.210	96	67969	53.288	ug/l	87
22) Diisopropyl ether	6.112	45	242587	60.924	ug/l	92
23) Vinyl Acetate	6.051	43	616258	222.536	ug/l	99
24) 1,1-Dichloroethane	6.009	63	126119	56.166	ug/l	98
25) 2-Butanone	6.972	43	145811	278.448	ug/l	94
26) 2,2-Dichloropropane	6.972	77	104237	47.100	ug/l	95
27) cis-1,2-Dichloroethene	6.972	96	82409	54.880	ug/l	88
28) Bromochloromethane	7.326	49	53073	56.235	ug/l #	90
29) Tetrahydrofuran	7.338	42	99752	294.515	ug/l	93
30) Chloroform	7.496	83	132316	53.841	ug/l	98
31) Cyclohexane	7.777	56	104324	47.786	ug/l	99
32) 1,1,1-Trichloroethane	7.691	97	117286	54.132	ug/l	98
36) 1,1-Dichloropropene	7.911	75	96550	52.349	ug/l	98
37) Ethyl Acetate	7.063	43	61905	53.547	ug/l	98
38) Carbon Tetrachloride	7.892	117	104320	52.887	ug/l	99
39) Methylcyclohexane	9.173	83	93802	42.370	ug/l	90
40) Benzene	8.155	78	290963	53.725	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	42292m	70.450	ug/l	
42) 1,2-Dichloroethane	8.228	62	91827	56.476	ug/l	94
43) Isopropyl Acetate	8.264	43	122982	57.013	ug/l	95
44) Trichloroethene	8.935	130	80543	52.644	ug/l	94
45) 1,2-Dichloropropane	9.209	63	75584	55.147	ug/l	94
46) Dibromomethane	9.301	93	45126	56.097	ug/l	97
47) Bromodichloromethane	9.490	83	104681	54.673	ug/l	99
48) Methyl methacrylate	9.289	41	59307	63.814	ug/l	94
49) 1,4-Dioxane	9.289	88	13921	1175.104	ug/l	88
51) 4-Methyl-2-Pentanone	10.063	43	345318	304.406	ug/l	95
52) Toluene	10.240	92	192396	55.748	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	107925	53.489	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	118682	52.751	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	64575	55.644	ug/l	97
56) Ethyl methacrylate	10.508	69	91242	59.220	ug/l	88
57) 1,3-Dichloropropane	10.782	76	109487	57.230	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	199320	264.821	ug/l	96
59) 2-Hexanone	10.825	43	241570	307.317	ug/l	93
60) Dibromochloromethane	10.977	129	78774	56.054	ug/l	98
61) 1,2-Dibromoethane	11.081	107	62613	56.279	ug/l	99
64) Tetrachloroethene	10.715	164	86941	53.338	ug/l	96
65) Chlorobenzene	11.508	112	203113	53.047	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.587	131	80621	55.975	ug/l	98
67) Ethyl Benzene	11.587	91	360518	53.934	ug/l	97
68) m/p-Xylenes	11.697	106	282622	108.410	ug/l	93
69) o-Xylene	12.026	106	142182	56.899	ug/l	91
70) Styrene	12.038	104	226399	54.243	ug/l	97
71) Bromoform	12.203	173	54842	59.741	ug/l #	100
73) Isopropylbenzene	12.325	105	347217	57.442	ug/l	99
74) N-amyl acetate	12.142	43	88299	51.341	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	77162	63.754	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	57320m	61.263	ug/l	
77) Bromobenzene	12.605	156	86484	58.770	ug/l	97
78) n-propylbenzene	12.666	91	390763	53.509	ug/l	98
79) 2-Chlorotoluene	12.751	91	232954	56.978	ug/l	96
80) 1,3,5-Trimethylbenzene	12.806	105	277086	54.841	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	25881	56.613	ug/l	86
82) 4-Chlorotoluene	12.849	91	237566	55.445	ug/l	97
83) tert-Butylbenzene	13.068	119	237473	52.829	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	283185	56.310	ug/l	97
85) sec-Butylbenzene	13.251	105	309953	46.820	ug/l	98
86) p-Isopropyltoluene	13.367	119	259896	47.097	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	147954	50.935	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	150061	51.042	ug/l	99
89) n-Butylbenzene	13.690	91	206539	40.081	ug/l	98
90) Hexachloroethane	13.958	117	48458	44.755	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	141828	53.291	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13173	62.097	ug/l	77
93) 1,2,4-Trichlorobenzene	15.001	180	53497	32.958	ug/l	100
94) Hexachlorobutadiene	15.105	225	17091	19.152	ug/l	98
95) Naphthalene	15.233	128	169448	50.491	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	46531	33.098	ug/l	99

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

