

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062722\
 Data File : VY009339.D
 Acq On : 27 Jun 2022 11:38
 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 : Semsettin Yesilyurt 06/30/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 28 04:28:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062422S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 25 07:08:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	190953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	302324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	273417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130049	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	63953	43.906	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.820%
35) Dibromofluoromethane	7.710	113	73780	45.213	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.420%
50) Toluene-d8	10.173	98	225330	46.830	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.660%
62) 4-Bromofluorobenzene	12.477	95	108136	46.529	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	70285	44.592	ug/l	94
3) Chloromethane	2.107	50	79004	42.661	ug/l	99
4) Vinyl Chloride	2.241	62	86918	43.632	ug/l	97
5) Bromomethane	2.637	94	52280	40.715	ug/l	96
6) Chloroethane	2.784	64	47009	46.613	ug/l	97
7) Trichlorofluoromethane	3.113	101	114713	45.256	ug/l	100
8) Diethyl Ether	3.521	74	32345	32.861	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	64275	35.471	ug/l	93
10) Methyl Iodide	4.076	142	105908	44.016	ug/l	98
11) Tert butyl alcohol	4.942	59	51964	190.568	ug/l	99
12) 1,1-Dichloroethene	3.857	96	59241	33.260	ug/l	94
13) Acrolein	3.716	56	20469	115.792	ug/l	96
14) Allyl chloride	4.466	41	149235	47.731	ug/l	100
15) Acrylonitrile	5.149	53	133526	246.292	ug/l	99
16) Acetone	3.942	43	106481	218.116	ug/l	98
17) Carbon Disulfide	4.180	76	240073	41.401	ug/l	99
18) Methyl Acetate	4.466	43	59707	43.929	ug/l	100
19) Methyl tert-butyl Ether	5.204	73	242220	48.408	ug/l	98
20) Methylene Chloride	4.704	84	103587	49.285	ug/l	96
21) trans-1,2-Dichloroethene	5.204	96	99525	47.363	ug/l	98
22) Diisopropyl ether	6.112	45	317091	51.194	ug/l	99
23) Vinyl Acetate	6.051	43	1017928	255.374	ug/l	99
24) 1,1-Dichloroethane	6.009	63	177789	49.760	ug/l	97
25) 2-Butanone	6.978	43	183489	249.939	ug/l	99
26) 2,2-Dichloropropane	6.972	77	158531	47.839	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	114048	49.518	ug/l	100
28) Bromochloromethane	7.325	49	77640	50.798	ug/l	100
29) Tetrahydrofuran	7.338	42	118262	251.002	ug/l	99
30) Chloroform	7.496	83	176950	49.090	ug/l	98
31) Cyclohexane	7.777	56	159949	46.322	ug/l	97
32) 1,1,1-Trichloroethane	7.691	97	154554	48.556	ug/l	99
36) 1,1-Dichloropropene	7.911	75	136199	49.733	ug/l	100
37) Ethyl Acetate	7.063	43	78854	50.697	ug/l	98
38) Carbon Tetrachloride	7.892	117	142927	50.754	ug/l	99
39) Methylcyclohexane	9.179	83	169048	49.539	ug/l	97
40) Benzene	8.155	78	404218	50.155	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	42275m	50.483	ug/l	
42) 1,2-Dichloroethane	8.228	62	111248	49.031	ug/l	100
43) Isopropyl Acetate	8.270	43	142263	49.508	ug/l	99
44) Trichloroethene	8.935	130	110953	49.233	ug/l	95
45) 1,2-Dichloropropane	9.209	63	101195	51.157	ug/l	97
46) Dibromomethane	9.301	93	57975	50.547	ug/l	100
47) Bromodichloromethane	9.490	83	134926	50.587	ug/l	100
48) Methyl methacrylate	9.289	41	64601	50.586	ug/l	97
49) 1,4-Dioxane	9.295	88	15568	998.288	ug/l	99
51) 4-Methyl-2-Pentanone	10.063	43	365196	251.547	ug/l	99
52) Toluene	10.240	92	253494	50.769	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	145244	51.452	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	164835	51.250	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	81736	51.763	ug/l	98
56) Ethyl methacrylate	10.508	69	109251	52.343	ug/l	99
57) 1,3-Dichloropropane	10.788	76	137941	51.430	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	273008	252.923	ug/l	100
59) 2-Hexanone	10.831	43	254962	252.481	ug/l	97
60) Dibromochloromethane	10.977	129	98331	51.403	ug/l	100
61) 1,2-Dibromoethane	11.087	107	78248	50.558	ug/l	100
64) Tetrachloroethene	10.715	164	117363	49.348	ug/l	97
65) Chlorobenzene	11.514	112	270420	49.846	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	99243	51.052	ug/l	99
67) Ethyl Benzene	11.587	91	479539	50.062	ug/l	98
68) m/p-Xylenes	11.697	106	376878	100.145	ug/l	99
69) o-Xylene	12.026	106	179127	50.723	ug/l	100
70) Styrene	12.038	104	300661	51.287	ug/l	99
71) Bromoform	12.203	173	61732	51.447	ug/l #	100
73) Isopropylbenzene	12.325	105	473019	52.753	ug/l	100
74) N-amyl acetate	12.142	43	119534	49.629	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	87788	51.943	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	60241m	47.734	ug/l	
77) Bromobenzene	12.605	156	111807	50.942	ug/l	99
78) n-propylbenzene	12.666	91	567794	51.348	ug/l	100
79) 2-Chlorotoluene	12.751	91	317224	51.635	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	388297	51.412	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	31798	49.877	ug/l	98
82) 4-Chlorotoluene	12.849	91	327273	51.124	ug/l	99
83) tert-Butylbenzene	13.068	119	343829	52.059	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	382737	51.397	ug/l	100
85) sec-Butylbenzene	13.251	105	508295	51.884	ug/l	100
86) p-Isopropyltoluene	13.367	119	419046	51.705	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	215995	51.085	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	218596	51.240	ug/l	99
89) n-Butylbenzene	13.696	91	395788	52.069	ug/l	99
90) Hexachloroethane	13.958	117	81813	53.342	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	192296	50.672	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14371	49.211	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	117776	51.585	ug/l	98
94) Hexachlorobutadiene	15.111	225	66477	52.710	ug/l	99
95) Naphthalene	15.233	128	244313	53.446	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	102697	51.921	ug/l	98

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

