

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062723\
 Data File : VY014448.D
 Acq On : 27 Jun 2023 10:47
 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 :Krupa Patel 06/28/2023
 Supervised By :Mahesh Dadoda 06/28/2023

Quant Time: Jun 27 16:41:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	251250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	362813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	339274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	187653	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	156219	50.078	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.160%	
35) Dibromofluoromethane	7.722	113	114426	51.048	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.100%	
50) Toluene-d8	10.185	98	455855	51.160	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.320%	
62) 4-Bromofluorobenzene	12.483	95	165009	51.872	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.740%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	108195	46.391	ug/l	98
3) Chloromethane	2.119	50	100303	43.947	ug/l	99
4) Vinyl Chloride	2.253	62	114389	45.985	ug/l	96
5) Bromomethane	2.650	94	98742	45.177	ug/l	98
6) Chloroethane	2.796	64	79040	47.969	ug/l	94
7) Trichlorofluoromethane	3.125	101	247909	50.478	ug/l	99
8) Diethyl Ether	3.527	74	72401	48.352	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.899	101	111952	48.231	ug/l	94
10) Methyl Iodide	4.094	142	147305	48.134	ug/l	94
11) Tert butyl alcohol	4.960	59	101650	256.773	ug/l #	81
12) 1,1-Dichloroethene	3.875	96	112933	48.791	ug/l	95
13) Acrolein	3.729	56	122845	293.847	ug/l	99
14) Allyl chloride	4.485	41	172381	46.631	ug/l	88
15) Acrylonitrile	5.167	53	200169	239.066	ug/l	98
16) Acetone	3.948	43	277246	282.444	ug/l	98
17) Carbon Disulfide	4.198	76	342407	47.803	ug/l	98
18) Methyl Acetate	4.478	43	152185	45.098	ug/l #	91
19) Methyl tert-butyl Ether	5.222	73	369284	51.871	ug/l	96
20) Methylene Chloride	4.716	84	126746	44.049	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	127061	49.925	ug/l	96
22) Diisopropyl ether	6.125	45	341141	46.437	ug/l	93
23) Vinyl Acetate	6.064	43	1103513	294.207	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	207527	47.572	ug/l	98
25) 2-Butanone	6.990	43	307819	251.772	ug/l	93
26) 2,2-Dichloropropane	6.984	77	234235	50.780	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	141233	49.297	ug/l	98
28) Bromochloromethane	7.338	49	82932	43.591	ug/l #	76
29) Tetrahydrofuran	7.350	42	174828	239.814	ug/l #	87
30) Chloroform	7.508	83	246690	50.130	ug/l	96
31) Cyclohexane	7.789	56	173169	44.942	ug/l	88
32) 1,1,1-Trichloroethane	7.703	97	243481	51.980	ug/l	98
36) 1,1-Dichloropropene	7.923	75	176059	50.969	ug/l	98
37) Ethyl Acetate	7.076	43	114995	48.307	ug/l	96
38) Carbon Tetrachloride	7.905	117	234521	53.952	ug/l	98
39) Methylcyclohexane	9.185	83	205563	51.726	ug/l	94
40) Benzene	8.167	78	500774	51.186	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	63906m	54.169	ug/l	
42) 1,2-Dichloroethane	8.240	62	193984	52.297	ug/l	99
43) Isopropyl Acetate	8.277	43	208995	49.720	ug/l #	96
44) Trichloroethene	8.941	130	144723	51.524	ug/l	96
45) 1,2-Dichloropropane	9.222	63	109839	47.616	ug/l	97
46) Dibromomethane	9.307	93	79197	50.240	ug/l	94
47) Bromodichloromethane	9.502	83	189863	51.675	ug/l	99
48) Methyl methacrylate	9.295	41	97522	49.953	ug/l	91
49) 1,4-Dioxane	9.301	88	26563	1077.684	ug/l #	68
51) 4-Methyl-2-Pentanone	10.075	43	597908	252.028	ug/l	96
52) Toluene	10.246	92	333945	53.051	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	210503	52.844	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	211192	51.400	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	109362	51.809	ug/l	95
56) Ethyl methacrylate	10.514	69	160326	53.183	ug/l	95
57) 1,3-Dichloropropane	10.794	76	181301	51.064	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.788	63	356003	252.107	ug/l #	89
59) 2-Hexanone	10.837	43	477055	266.859	ug/l	97
60) Dibromochloromethane	10.989	129	150234	53.652	ug/l	99
61) 1,2-Dibromoethane	11.093	107	111105	52.865	ug/l	98
64) Tetrachloroethene	10.721	164	149742	51.866	ug/l	97
65) Chlorobenzene	11.520	112	363016	52.082	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	147456	52.519	ug/l	98
67) Ethyl Benzene	11.599	91	653802	52.676	ug/l	98
68) m/p-Xylenes	11.703	106	524990	108.295	ug/l	98
69) o-Xylene	12.032	106	247356	53.624	ug/l	100
70) Styrene	12.050	104	433250	54.800	ug/l	99
71) Bromoform	12.209	173	113672	54.780	ug/l	99
73) Isopropylbenzene	12.331	105	671826	53.169	ug/l	100
74) N-amyl acetate	12.148	43	199907	49.956	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	135030	50.004	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	105736m	44.918	ug/l	
77) Bromobenzene	12.611	156	170405	51.868	ug/l	91
78) n-propylbenzene	12.672	91	794169	52.096	ug/l	98
79) 2-Chlorotoluene	12.757	91	451529	51.863	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	581515	53.201	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	52323	50.605	ug/l	91
82) 4-Chlorotoluene	12.861	91	480519	51.810	ug/l	98
83) tert-Butylbenzene	13.081	119	506266	54.026	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	585626	54.069	ug/l	100
85) sec-Butylbenzene	13.257	105	726179	53.588	ug/l	99
86) p-Isopropyltoluene	13.373	119	637470	54.333	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	337765	53.301	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	336390	52.803	ug/l	99
89) n-Butylbenzene	13.702	91	575975	53.729	ug/l	98
90) Hexachloroethane	13.965	117	114599	51.343	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	305524	52.813	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	31234	52.333	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	201998	53.744	ug/l	98
94) Hexachlorobutadiene	15.117	225	120943	53.570	ug/l	97
95) Naphthalene	15.239	128	453252	56.091	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	184450	53.897	ug/l	99

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

