

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
 Data File : VY017065.D
 Acq On : 22 Jan 2024 09:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/23/2024
 Supervised By :Semsettin Yesilyurt 01/23/2024

Quant Time: Jan 23 01:41:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	151292	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	246860	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	208209	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.453	152	89898	50.000	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	64789	43.328	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.660%		
35) Dibromofluoromethane	7.746	113	76392	48.562	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.120%		
50) Toluene-d8	10.209	98	252817	46.672	ug/l	0.02
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.340%		
62) 4-Bromofluorobenzene	12.508	95	86568	47.367	ug/l	0.02
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	62088	55.145	ug/l	98
3) Chloromethane	2.131	50	98403	55.368	ug/l	97
4) Vinyl Chloride	2.272	62	115095	54.902	ug/l	100
5) Bromomethane	2.674	94	79612	53.010	ug/l	97
6) Chloroethane	2.820	64	73947	52.146	ug/l	99
7) Trichlorofluoromethane	3.156	101	129620	50.182	ug/l	100
8) Diethyl Ether	3.558	74	38312	46.412	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.930	101	81867	48.745	ug/l	99
10) Methyl Iodide	4.125	142	82135	57.485	ug/l	99
11) Tert butyl alcohol	4.985	59	21207	186.523	ug/l	99
12) 1,1-Dichloroethene	3.905	96	75086	52.107	ug/l	97
13) Acrolein	3.759	56	26635	160.525	ug/l	99
14) Allyl chloride	4.515	41	113971	50.030	ug/l	99
15) Acrylonitrile	5.198	53	83755	216.918	ug/l	98
16) Acetone	3.973	43	87949	237.430	ug/l	99
17) Carbon Disulfide	4.229	76	226999	65.928	ug/l	99
18) Methyl Acetate	4.509	43	80903	50.500	ug/l	100
19) Methyl tert-butyl Ether	5.259	73	172027	45.887	ug/l	99
20) Methylene Chloride	4.759	84	81280	40.375	ug/l	94
21) trans-1,2-Dichloroethene	5.265	96	87570	53.060	ug/l	97
22) Diisopropyl ether	6.155	45	249517	47.377	ug/l	96
23) Vinyl Acetate	6.094	43	534160	221.195	ug/l	99
24) 1,1-Dichloroethane	6.051	63	150425	47.529	ug/l	98
25) 2-Butanone	7.021	43	112614	219.506	ug/l	96
26) 2,2-Dichloropropane	7.015	77	131386	47.879	ug/l	99
27) cis-1,2-Dichloroethene	7.021	96	96496	49.878	ug/l	100
28) Bromochloromethane	7.368	49	62583	52.672	ug/l	96
29) Tetrahydrofuran	7.380	42	65498	216.418	ug/l	98
30) Chloroform	7.539	83	152168	46.656	ug/l	97
31) Cyclohexane	7.819	56	136835	53.317	ug/l	99
32) 1,1,1-Trichloroethane	7.734	97	134410	48.604	ug/l	100
36) 1,1-Dichloropropene	7.954	75	120747	52.669	ug/l	99
37) Ethyl Acetate	7.106	43	43761	42.004	ug/l	99
38) Carbon Tetrachloride	7.935	117	119804	51.436	ug/l	100
39) Methylcyclohexane	9.215	83	150325	58.328	ug/l	98
40) Benzene	8.191	78	348730	50.709	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	22299	40.640	ug/l #	85
42) 1,2-Dichloroethane	8.271	62	86275	47.255	ug/l	99
43) Isopropyl Acetate	8.301	43	87465	43.840	ug/l	99
44) Trichloroethene	8.972	130	91352	52.203	ug/l	95
45) 1,2-Dichloropropane	9.246	63	84538	47.715	ug/l	97
46) Dibromomethane	9.331	93	42956	47.540	ug/l	100
47) Bromodichloromethane	9.526	83	114319	47.115	ug/l	95
48) Methyl methacrylate	9.319	41	50305	46.722	ug/l	98
49) 1,4-Dioxane	9.325	88	7906	845.028	ug/l	97
51) 4-Methyl-2-Pentanone	10.093	43	231648	218.326	ug/l	98
52) Toluene	10.270	92	216043	52.054	ug/l	100
53) t-1,3-Dichloropropene	10.490	75	104114	47.904	ug/l	99
54) cis-1,3-Dichloropropene	9.953	75	129285	49.533	ug/l	97
55) 1,1,2-Trichloroethane	10.673	97	59263	44.894	ug/l	99
56) Ethyl methacrylate	10.532	69	53403	47.762	ug/l	99
57) 1,3-Dichloropropane	10.819	76	103091	46.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.807	63	135665	196.810	ug/l	100
59) 2-Hexanone	10.855	43	166102	212.608	ug/l	99
60) Dibromochloromethane	11.008	129	70463	46.287	ug/l	99
61) 1,2-Dibromoethane	11.118	107	54748	47.735	ug/l	100
64) Tetrachloroethene	10.746	164	72364	53.609	ug/l	99
65) Chlorobenzene	11.544	112	218856	50.458	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.617	131	79681	48.326	ug/l	99
67) Ethyl Benzene	11.617	91	412893	52.876	ug/l	100
68) m/p-Xylenes	11.727	106	308920	107.777	ug/l	99
69) o-Xylene	12.056	106	141093	52.508	ug/l	99
70) Styrene	12.069	104	203832	52.120	ug/l	99
71) Bromoform	12.233	173	38157	47.009	ug/l #	97
73) Isopropylbenzene	12.355	105	387242	52.750	ug/l	100
74) N-amyl acetate	12.166	43	66171	44.864	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.605	83	64739	43.281	ug/l	99
76) 1,2,3-Trichloropropane	12.660	75	46603m	47.771	ug/l	
77) Bromobenzene	12.636	156	80929	50.071	ug/l	97
78) n-propylbenzene	12.697	91	467851	52.422	ug/l	99
79) 2-Chlorotoluene	12.782	91	249293	50.373	ug/l	99
80) 1,3,5-Trimethylbenzene	12.837	105	308259	53.094	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.404	75	19328	44.989	ug/l	98
82) 4-Chlorotoluene	12.879	91	256631	50.758	ug/l	99
83) tert-Butylbenzene	13.099	119	266518	52.118	ug/l	98
84) 1,2,4-Trimethylbenzene	13.148	105	301572	52.743	ug/l	99
85) sec-Butylbenzene	13.276	105	397201	52.420	ug/l	100
86) p-Isopropyltoluene	13.392	119	330538	52.856	ug/l	99
87) 1,3-Dichlorobenzene	13.392	146	157081	49.554	ug/l	99
88) 1,4-Dichlorobenzene	13.471	146	152160	49.077	ug/l	99
89) n-Butylbenzene	13.721	91	318613	52.991	ug/l	100
90) Hexachloroethane	13.983	117	65899	49.040	ug/l	99
91) 1,2-Dichlorobenzene	13.763	146	131614	48.045	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.379	75	7769	41.419	ug/l	96
93) 1,2,4-Trichlorobenzene	15.031	180	69512	51.099	ug/l	99
94) Hexachlorobutadiene	15.135	225	43147	50.631	ug/l	99
95) Naphthalene	15.263	128	121601	49.139	ug/l	100
96) 1,2,3-Trichlorobenzene	15.452	180	56197	48.653	ug/l	97

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

