

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122123\
 Data File : VY016801.D
 Acq On : 22 Dec 2023 09:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/22/2023
 Supervised By :Semsettin Yesilyurt 12/22/2023

Quant Time: Dec 22 10:20:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.826	168	145156	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	247373	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	212051	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	89719	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	64605	48.754	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.500%		
35) Dibromofluoromethane	7.752	113	66091	46.641	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.280%		
50) Toluene-d8	10.209	98	241233	47.225	ug/l	0.02
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.440%		
62) 4-Bromofluorobenzene	12.502	95	75999	45.859	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	50031	40.332	ug/l	100
3) Chloromethane	2.131	50	83669	43.880	ug/l	97
4) Vinyl Chloride	2.272	62	95045	44.130	ug/l	99
5) Bromomethane	2.680	94	69291	45.170	ug/l	100
6) Chloroethane	2.820	64	65572	44.930	ug/l	98
7) Trichlorofluoromethane	3.156	101	112019	44.647	ug/l	100
8) Diethyl Ether	3.564	74	37190	46.336	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.942	101	69335	45.050	ug/l	100
10) Methyl Iodide	4.131	142	66625	41.542	ug/l	99
11) Tert butyl alcohol	5.003	59	24835	228.582	ug/l	100
12) 1,1-Dichloroethene	3.912	96	64164	46.823	ug/l	98
13) Acrolein	3.765	56	20287	242.005	ug/l	99
14) Allyl chloride	4.527	41	102214	48.698	ug/l	99
15) Acrylonitrile	5.210	53	88718	261.016	ug/l	99
16) Acetone	3.985	43	108088	301.646	ug/l	98
17) Carbon Disulfide	4.235	76	176846	47.429	ug/l	97
18) Methyl Acetate	4.521	43	78718	56.213	ug/l	98
19) Methyl tert-butyl Ether	5.265	73	168829	47.881	ug/l	100
20) Methylene Chloride	4.759	84	78555	42.809	ug/l	98
21) trans-1,2-Dichloroethene	5.271	96	75697	48.434	ug/l	97
22) Diisopropyl ether	6.161	45	241051	50.763	ug/l	96
23) Vinyl Acetate	6.100	43	562006	250.241	ug/l	99
24) 1,1-Dichloroethane	6.064	63	138691	48.621	ug/l	99
25) 2-Butanone	7.027	43	136531	276.742	ug/l	100
26) 2,2-Dichloropropane	7.021	77	115616	46.446	ug/l	100
27) cis-1,2-Dichloroethene	7.027	96	86057	47.844	ug/l	97
28) Bromochloromethane	7.368	49	64087	56.764	ug/l	97
29) Tetrahydrofuran	7.387	42	72044	267.064	ug/l	99
30) Chloroform	7.545	83	142511	48.803	ug/l	100
31) Cyclohexane	7.826	56	114461	45.083	ug/l	100
32) 1,1,1-Trichloroethane	7.740	97	119351	46.562	ug/l	99
36) 1,1-Dichloropropene	7.954	75	105800	46.573	ug/l	100
37) Ethyl Acetate	7.112	43	49202	50.531	ug/l	99
38) Carbon Tetrachloride	7.935	117	103204	45.910	ug/l	99
39) Methylcyclohexane	9.216	83	125111	47.701	ug/l	99
40) Benzene	8.191	78	314757	47.613	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	25778	49.863	ug/l	93
42) 1,2-Dichloroethane	8.271	62	85147	49.369	ug/l	100
43) Isopropyl Acetate	8.301	43	93634	49.512	ug/l	99
44) Trichloroethene	8.972	130	78214	46.355	ug/l	96
45) 1,2-Dichloropropane	9.246	63	80197	48.362	ug/l	99
46) Dibromomethane	9.337	93	42182	49.240	ug/l	97
47) Bromodichloromethane	9.526	83	107868	47.773	ug/l	98
48) Methyl methacrylate	9.319	41	54494	51.848	ug/l	98
49) 1,4-Dioxane	9.331	88	8277	995.460	ug/l	91
51) 4-Methyl-2-Pentanone	10.093	43	262836	260.848	ug/l	99
52) Toluene	10.270	92	192439	48.576	ug/l	99
53) t-1,3-Dichloropropene	10.490	75	100700	48.911	ug/l	100
54) cis-1,3-Dichloropropene	9.953	75	121013	48.729	ug/l	97
55) 1,1,2-Trichloroethane	10.666	97	59209	48.442	ug/l	99
56) Ethyl methacrylate	10.532	69	54951	51.128	ug/l	99
57) 1,3-Dichloropropane	10.813	76	102582	49.412	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.807	63	161329	279.028	ug/l	98
59) 2-Hexanone	10.855	43	201095	267.648	ug/l	100
60) Dibromochloromethane	11.008	129	68887	48.721	ug/l	99
61) 1,2-Dibromoethane	11.112	107	53630	48.927	ug/l	100
64) Tetrachloroethene	10.746	164	59640	45.276	ug/l	97
65) Chlorobenzene	11.538	112	196048	47.056	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.611	131	73690	47.010	ug/l	99
67) Ethyl Benzene	11.618	91	365534	47.668	ug/l	100
68) m/p-Xylenes	11.727	106	269217	95.073	ug/l	98
69) o-Xylene	12.050	106	126449	48.675	ug/l	99
70) Styrene	12.063	104	186457	48.505	ug/l	99
71) Bromoform	12.227	173	37210	47.614	ug/l #	99
73) Isopropylbenzene	12.349	105	340293	48.701	ug/l	100
74) N-amyl acetate	12.166	43	71651	48.861	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.599	83	69427	49.722	ug/l	98
76) 1,2,3-Trichloropropane	12.654	75	40997m	41.336	ug/l	
77) Bromobenzene	12.630	156	72127	47.316	ug/l	98
78) n-propylbenzene	12.691	91	411190	48.570	ug/l	99
79) 2-Chlorotoluene	12.776	91	222928	47.588	ug/l	100
80) 1,3,5-Trimethylbenzene	12.831	105	270754	48.951	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.398	75	20115	47.630	ug/l	99
82) 4-Chlorotoluene	12.873	91	227579	47.354	ug/l	99
83) tert-Butylbenzene	13.093	119	231244	48.064	ug/l	98
84) 1,2,4-Trimethylbenzene	13.142	105	264947	48.578	ug/l	99
85) sec-Butylbenzene	13.270	105	340120	47.728	ug/l	100
86) p-Isopropyltoluene	13.386	119	282854	47.662	ug/l	100
87) 1,3-Dichlorobenzene	13.386	146	138406	46.460	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	133777	45.989	ug/l	99
89) n-Butylbenzene	13.715	91	269879	47.572	ug/l	100
90) Hexachloroethane	13.977	117	57564	46.582	ug/l	97
91) 1,2-Dichlorobenzene	13.757	146	119532	47.099	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	8076	44.618	ug/l	97
93) 1,2,4-Trichlorobenzene	15.025	180	59265	44.010	ug/l	99
94) Hexachlorobutadiene	15.129	225	33459	43.745	ug/l	98
95) Naphthalene	15.257	128	114705	40.318	ug/l	100
96) 1,2,3-Trichlorobenzene	15.440	180	49885	43.496	ug/l	98

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

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