

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
 Data File : VY017063.D
 Acq On : 19 Jan 2024 18:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/22/2024
 Supervised By :Semsettin Yesilyurt 01/22/2024

Quant Time: Jan 19 22:27:02 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	7.820	168	136810	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	235639	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	205091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.441	152	92798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	62926	46.537	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.080%		
35) Dibromofluoromethane	7.746	113	70373	46.866	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.740%		
50) Toluene-d8	10.203	98	228513	44.194	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.380%		
62) 4-Bromofluorobenzene	12.496	95	82810	47.468	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	57462	56.585	ug/l	95
3) Chloromethane	2.132	50	91287	56.801	ug/l	99
4) Vinyl Chloride	2.272	62	108345	57.153	ug/l	100
5) Bromomethane	2.674	94	80319	59.142	ug/l	97
6) Chloroethane	2.820	64	71541	55.789	ug/l	100
7) Trichlorofluoromethane	3.150	101	118814	50.868	ug/l	95
8) Diethyl Ether	3.558	74	40085	53.700	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.930	101	73783	48.582	ug/l	100
10) Methyl Iodide	4.131	142	77823	60.233	ug/l	98
11) Tert butyl alcohol	4.997	59	26817	276.086	ug/l	100
12) 1,1-Dichloroethene	3.900	96	69477	53.318	ug/l	92
13) Acrolein	3.759	56	29907	201.287	ug/l	100
14) Allyl chloride	4.521	41	107743	52.302	ug/l	99
15) Acrylonitrile	5.204	53	92646	265.344	ug/l	99
16) Acetone	3.979	43	88587	267.510	ug/l	99
17) Carbon Disulfide	4.235	76	206464	66.312	ug/l	100
18) Methyl Acetate	4.515	43	90909	62.753	ug/l	100
19) Methyl tert-butyl Ether	5.265	73	181118	53.425	ug/l	97
20) Methylene Chloride	4.759	84	83608	47.431	ug/l	99
21) trans-1,2-Dichloroethene	5.265	96	81282	54.464	ug/l	100
22) Diisopropyl ether	6.161	45	247213	51.908	ug/l	95
23) Vinyl Acetate	6.100	43	562113	257.411	ug/l	100
24) 1,1-Dichloroethane	6.058	63	143094	49.999	ug/l	98
25) 2-Butanone	7.021	43	126579	275.295	ug/l	98
26) 2,2-Dichloropropane	7.021	77	118274	47.664	ug/l	100
27) cis-1,2-Dichloroethene	7.021	96	93825	53.631	ug/l	99
28) Bromochloromethane	7.368	49	62361	58.041	ug/l	98
29) Tetrahydrofuran	7.387	42	76190	278.395	ug/l	100
30) Chloroform	7.539	83	146847	49.791	ug/l	99
31) Cyclohexane	7.820	56	123955	53.411	ug/l	100
32) 1,1,1-Trichloroethane	7.734	97	124468	49.773	ug/l	99
36) 1,1-Dichloropropene	7.948	75	112319	51.326	ug/l	99
37) Ethyl Acetate	7.106	43	50472	50.753	ug/l	98
38) Carbon Tetrachloride	7.935	117	109898	49.430	ug/l	98
39) Methylcyclohexane	9.210	83	139738	56.802	ug/l	98
40) Benzene	8.191	78	336194	51.214	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	23898	45.629	ug/l #	81
42) 1,2-Dichloroethane	8.265	62	90103	51.702	ug/l	100
43) Isopropyl Acetate	8.301	43	97547	51.222	ug/l	99
44) Trichloroethene	8.966	130	85697	51.303	ug/l	99
45) 1,2-Dichloropropane	9.240	63	83257	49.230	ug/l	98
46) Dibromomethane	9.331	93	45303	52.525	ug/l	99
47) Bromodichloromethane	9.520	83	112769	48.689	ug/l	97
48) Methyl methacrylate	9.313	41	57122	55.579	ug/l	99
49) 1,4-Dioxane	9.319	88	9882	1106.529	ug/l	97
51) 4-Methyl-2-Pentanone	10.094	43	269140	265.741	ug/l	99
52) Toluene	10.264	92	208264	52.569	ug/l	99
53) t-1,3-Dichloropropene	10.484	75	107414	51.776	ug/l	97
54) cis-1,3-Dichloropropene	9.947	75	129350	51.918	ug/l	99
55) 1,1,2-Trichloroethane	10.667	97	62288	49.433	ug/l	99
56) Ethyl methacrylate	10.532	69	60218	56.422	ug/l	99
57) 1,3-Dichloropropane	10.807	76	107293	51.000	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.807	63	187567	277.243	ug/l	99
59) 2-Hexanone	10.850	43	191622	256.953	ug/l	100
60) Dibromochloromethane	11.002	129	74163	51.037	ug/l	98
61) 1,2-Dibromoethane	11.106	107	59223	54.095	ug/l	99
64) Tetrachloroethene	10.740	164	70335	52.898	ug/l	97
65) Chlorobenzene	11.532	112	216013	50.560	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.612	131	81009	49.879	ug/l	99
67) Ethyl Benzene	11.612	91	396767	51.583	ug/l	99
68) m/p-Xylenes	11.721	106	297741	105.456	ug/l	100
69) o-Xylene	12.044	106	139269	52.617	ug/l	99
70) Styrene	12.063	104	206334	53.562	ug/l	99
71) Bromoform	12.227	173	41687	52.139	ug/l #	99
73) Isopropylbenzene	12.349	105	374647	49.439	ug/l	100
74) N-amyl acetate	12.160	43	77199	50.705	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.599	83	72779	47.136	ug/l	99
76) 1,2,3-Trichloropropane	12.648	75	48426m	48.088	ug/l	
77) Bromobenzene	12.624	156	82284	49.318	ug/l	97
78) n-propylbenzene	12.691	91	453353	49.210	ug/l	99
79) 2-Chlorotoluene	12.776	91	245796	48.114	ug/l	98
80) 1,3,5-Trimethylbenzene	12.831	105	303440	50.630	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	21700	48.931	ug/l	98
82) 4-Chlorotoluene	12.874	91	256665	49.178	ug/l	99
83) tert-Butylbenzene	13.093	119	262978	49.818	ug/l	99
84) 1,2,4-Trimethylbenzene	13.136	105	301439	51.073	ug/l	99
85) sec-Butylbenzene	13.270	105	386264	49.384	ug/l	99
86) p-Isopropyltoluene	13.386	119	326975	50.652	ug/l	99
87) 1,3-Dichlorobenzene	13.386	146	161196	49.263	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	156568	48.921	ug/l	100
89) n-Butylbenzene	13.715	91	313380	50.492	ug/l	99
90) Hexachloroethane	13.977	117	65601	47.293	ug/l	99
91) 1,2-Dichlorobenzene	13.758	146	138509	48.982	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.373	75	9319	48.130	ug/l	98
93) 1,2,4-Trichlorobenzene	15.026	180	75172	53.533	ug/l	99
94) Hexachlorobutadiene	15.129	225	43184	49.091	ug/l	99
95) Naphthalene	15.257	128	145606	56.044	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	63296	53.087	ug/l	98

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

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