

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
 Data File : VY019635.D
 Acq On : 20 Sep 2024 10:34
 Operator : SY/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 :Mahesh Dadoda 09/23/2024
 Supervised By :Semsettin Yesilyurt 09/23/2024

Quant Time: Sep 20 15:22:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	395919	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	663086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	561473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	268209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	197233	53.799	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	107.600%	
35) Dibromofluoromethane	7.628	113	201411	53.573	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	107.140%	
50) Toluene-d8	10.103	98	747595	53.761	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	107.520%	
62) 4-Bromofluorobenzene	12.407	95	264993	49.560	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	99.120%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	105273	48.528	ug/l	99
3) Chloromethane	2.068	50	162145	49.500	ug/l	100
4) Vinyl Chloride	2.208	62	199337	56.277	ug/l	97
5) Bromomethane	2.598	94	144331	66.338	ug/l	100
6) Chloroethane	2.738	64	142961	61.740	ug/l	96
7) Trichlorofluoromethane	3.055	101	343851	58.236	ug/l	95
8) Diethyl Ether	3.452	74	105538	53.249	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.811	101	205824	56.351	ug/l	96
10) Methyl Iodide	4.000	142	230309	49.181	ug/l	93
11) Tert butyl alcohol	4.860	59	86443	291.970	ug/l	# 81
12) 1,1-Dichloroethene	3.787	96	189459	53.936	ug/l	83
13) Acrolein	3.653	56	26912	185.094	ug/l	96
14) Allyl chloride	4.378	41	325741	51.711	ug/l	# 94
15) Acrylonitrile	5.055	53	231072	270.392	ug/l	99
16) Acetone	3.866	43	252002	288.530	ug/l	87
17) Carbon Disulfide	4.104	76	489232	51.549	ug/l	97
18) Methyl Acetate	4.378	43	112370	47.409	ug/l	93
19) Methyl tert-butyl Ether	5.110	73	538579	54.136	ug/l	99
20) Methylene Chloride	4.610	84	213999	53.726	ug/l	89
21) trans-1,2-Dichloroethene	5.110	96	213137	55.358	ug/l	92
22) Diisopropyl ether	6.012	45	696136	53.815	ug/l	92
23) Vinyl Acetate	5.951	43	2010527	272.108	ug/l	# 93
24) 1,1-Dichloroethane	5.909	63	407184	56.095	ug/l	98
25) 2-Butanone	6.890	43	335644	270.202	ug/l	# 87
26) 2,2-Dichloropropane	6.878	77	381981	58.339	ug/l	97
27) cis-1,2-Dichloroethene	6.884	96	264599	56.576	ug/l	89
28) Bromochloromethane	7.238	49	167713	54.914	ug/l	86
29) Tetrahydrofuran	7.256	42	194575	257.622	ug/l	87
30) Chloroform	7.414	83	425668	57.445	ug/l	98
31) Cyclohexane	7.695	56	333448	50.822	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	385678	58.068	ug/l	97
36) 1,1-Dichloropropene	7.829	75	295857	57.833	ug/l	97
37) Ethyl Acetate	6.975	43	142693	54.439	ug/l	97
38) Carbon Tetrachloride	7.811	117	338029	58.595	ug/l	98
39) Methylcyclohexane	9.109	83	379368	55.725	ug/l	92
40) Benzene	8.079	78	882317	55.997	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	82420	53.942	ug/l #	85
42) 1,2-Dichloroethane	8.152	62	242551	57.207	ug/l	96
43) Isopropyl Acetate	8.195	43	291718	52.974	ug/l	91
44) Trichloroethene	8.865	130	227906	56.241	ug/l	96
45) 1,2-Dichloropropane	9.140	63	213339	55.383	ug/l	98
46) Dibromomethane	9.231	93	119617	56.784	ug/l	95
47) Bromodichloromethane	9.420	83	323914	57.203	ug/l	98
48) Methyl methacrylate	9.219	41	135770	52.209	ug/l	86
49) 1,4-Dioxane	9.231	88	27872	1123.943	ug/l #	88
51) 4-Methyl-2-Pentanone	9.999	43	731484	264.031	ug/l	92
52) Toluene	10.170	92	577330	56.971	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	294886	54.630	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	346223	55.084	ug/l #	88
55) 1,1,2-Trichloroethane	10.572	97	162574	55.886	ug/l	97
56) Ethyl methacrylate	10.438	69	237674	53.785	ug/l #	81
57) 1,3-Dichloropropane	10.719	76	274754	54.946	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	536765	261.711	ug/l	98
59) 2-Hexanone	10.761	43	530007	260.945	ug/l	91
60) Dibromochloromethane	10.914	129	217355	56.483	ug/l	100
61) 1,2-Dibromoethane	11.011	107	147223	54.317	ug/l	100
64) Tetrachloroethene	10.645	164	195476	56.221	ug/l	94
65) Chlorobenzene	11.438	112	630136	57.054	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	218808	57.220	ug/l	98
67) Ethyl Benzene	11.517	91	1132347	57.701	ug/l	99
68) m/p-Xylenes	11.627	106	856107	115.372	ug/l	95
69) o-Xylene	11.956	106	409100	56.374	ug/l	94
70) Styrene	11.968	104	696548	56.850	ug/l	97
71) Bromoform	12.133	173	120860	55.335	ug/l #	97
73) Isopropylbenzene	12.255	105	1112865	57.194	ug/l	99
74) N-amyl acetate	12.072	43	271202	51.249	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.505	83	189014	54.729	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	134595m	53.540	ug/l	
77) Bromobenzene	12.529	156	235524	54.577	ug/l	90
78) n-propylbenzene	12.596	91	1326734	57.527	ug/l	99
79) 2-Chlorotoluene	12.682	91	747794	55.638	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	891332	56.348	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	65738	50.200	ug/l	92
82) 4-Chlorotoluene	12.779	91	770177	55.739	ug/l	96
83) tert-Butylbenzene	12.999	119	830595	58.001	ug/l	97
84) 1,2,4-Trimethylbenzene	13.041	105	879792	56.188	ug/l	97
85) sec-Butylbenzene	13.176	105	1200856	57.724	ug/l	100
86) p-Isopropyltoluene	13.291	119	981098	57.642	ug/l	97
87) 1,3-Dichlorobenzene	13.285	146	470927	56.160	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	464555	55.823	ug/l	97
89) n-Butylbenzene	13.614	91	935687	57.505	ug/l	99
90) Hexachloroethane	13.877	117	198783	56.130	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	414466	55.388	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	29173	50.683	ug/l	85
93) 1,2,4-Trichlorobenzene	14.919	180	237668	52.222	ug/l	98
94) Hexachlorobutadiene	15.023	225	130628	53.728	ug/l	98
95) Naphthalene	15.145	128	454533	49.872	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	199656	51.287	ug/l	98

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

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