

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091724\
 Data File : VY019593.D
 Acq On : 17 Sep 2024 18:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/18/2024
 Supervised By :Semsettin Yesilyurt 09/18/2024

Quant Time: Sep 18 01:34:42 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	316105	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.610	114	573389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	495429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	233097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160046	54.678	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.360%			
35) Dibromofluoromethane	7.628	113	163398	50.261	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.520%			
50) Toluene-d8	10.109	98	601941	50.059	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.120%			
62) 4-Bromofluorobenzene	12.402	95	214826	46.463	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.920%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	87823	50.906	ug/l	97
3) Chloromethane	2.068	50	151963	58.105	ug/l	98
4) Vinyl Chloride	2.202	62	177288	62.690	ug/l	97
5) Bromomethane	2.598	94	131872	75.915	ug/l	99
6) Chloroethane	2.739	64	126229	68.279	ug/l	97
7) Trichlorofluoromethane	3.056	101	288131	61.121	ug/l	99
8) Diethyl Ether	3.452	74	95334	60.246	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.818	101	169406	58.091	ug/l	95
10) Methyl Iodide	4.001	142	202598	54.187	ug/l	91
11) Tert butyl alcohol	4.860	59	78115	330.459	ug/l	# 84
12) 1,1-Dichloroethene	3.787	96	165379	58.968	ug/l	86
13) Acrolein	3.647	56	23930	207.869	ug/l	99
14) Allyl chloride	4.385	41	288790	57.420	ug/l	# 93
15) Acrylonitrile	5.049	53	211259	309.625	ug/l	99
16) Acetone	3.873	43	165197	236.899	ug/l	# 85
17) Carbon Disulfide	4.104	76	445340	58.772	ug/l	98
18) Methyl Acetate	4.379	43	113469	59.960	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	482130	60.698	ug/l	99
20) Methylene Chloride	4.610	84	193341	60.796	ug/l	89
21) trans-1,2-Dichloroethene	5.110	96	192212	62.528	ug/l	91
22) Diisopropyl ether	6.012	45	640742	62.040	ug/l	94
23) Vinyl Acetate	5.958	43	1762383	298.749	ug/l	# 93
24) 1,1-Dichloroethane	5.909	63	372001	64.188	ug/l	97
25) 2-Butanone	6.890	43	272985	275.248	ug/l	88
26) 2,2-Dichloropropane	6.878	77	286841	54.870	ug/l	97
27) cis-1,2-Dichloroethene	6.884	96	241493	64.673	ug/l	90
28) Bromochloromethane	7.238	49	138706	56.883	ug/l	84
29) Tetrahydrofuran	7.262	42	177301	294.023	ug/l	87
30) Chloroform	7.415	83	390808	66.057	ug/l	99
31) Cyclohexane	7.701	56	285365	54.475	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	336310	63.420	ug/l	97
36) 1,1-Dichloropropene	7.835	75	258454	58.425	ug/l	96
37) Ethyl Acetate	6.976	43	128467	56.679	ug/l	96
38) Carbon Tetrachloride	7.817	117	290505	58.235	ug/l	98
39) Methylcyclohexane	9.109	83	317257	53.891	ug/l	90
40) Benzene	8.079	78	812681	59.645	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	74741	56.569	ug/l #	88
42) 1,2-Dichloroethane	8.152	62	228320	62.274	ug/l	96
43) Isopropyl Acetate	8.195	43	263618	55.360	ug/l	91
44) Trichloroethene	8.866	130	205535	58.655	ug/l	95
45) 1,2-Dichloropropane	9.140	63	198836	59.692	ug/l	98
46) Dibromomethane	9.231	93	110734	60.790	ug/l	95
47) Bromodichloromethane	9.420	83	296438	60.540	ug/l	96
48) Methyl methacrylate	9.219	41	121558	54.056	ug/l	84
49) 1,4-Dioxane	9.231	88	24092	1123.491	ug/l #	88
51) 4-Methyl-2-Pentanone	10.000	43	667761	278.735	ug/l	92
52) Toluene	10.170	92	524692	59.876	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	261649	56.055	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	302792	55.710	ug/l #	88
55) 1,1,2-Trichloroethane	10.573	97	149568	59.458	ug/l	98
56) Ethyl methacrylate	10.438	69	217554	56.933	ug/l #	81
57) 1,3-Dichloropropane	10.719	76	255650	59.124	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	461435	260.176	ug/l	97
59) 2-Hexanone	10.762	43	444815	253.260	ug/l	90
60) Dibromochloromethane	10.908	129	199357	59.910	ug/l	98
61) 1,2-Dibromoethane	11.012	107	134561	57.411	ug/l	100
64) Tetrachloroethene	10.646	164	189507	61.770	ug/l	93
65) Chlorobenzene	11.438	112	575110	59.013	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	197130	58.423	ug/l	99
67) Ethyl Benzene	11.518	91	1018490	58.818	ug/l	98
68) m/p-Xylenes	11.627	106	761073	116.238	ug/l	94
69) o-Xylene	11.957	106	375757	58.682	ug/l	96
70) Styrene	11.969	104	633896	58.634	ug/l	96
71) Bromoform	12.133	173	107178	55.613	ug/l #	98
73) Isopropylbenzene	12.255	105	977857	57.826	ug/l	99
74) N-amyl acetate	12.072	43	240493	52.292	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.505	83	173160	57.691	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	119759m	54.815	ug/l	
77) Bromobenzene	12.530	156	213960	57.049	ug/l	91
78) n-propylbenzene	12.597	91	1163443	58.046	ug/l	98
79) 2-Chlorotoluene	12.676	91	675950	57.868	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	791176	57.551	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	54131	47.563	ug/l	92
82) 4-Chlorotoluene	12.773	91	687790	57.274	ug/l	97
83) tert-Butylbenzene	12.993	119	729312	58.600	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	781486	57.428	ug/l	96
85) sec-Butylbenzene	13.176	105	1027664	56.840	ug/l	99
86) p-Isopropyltoluene	13.292	119	843329	57.011	ug/l	97
87) 1,3-Dichlorobenzene	13.286	146	415370	56.996	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	408765	56.518	ug/l	97
89) n-Butylbenzene	13.615	91	781914	55.293	ug/l	99
90) Hexachloroethane	13.877	117	174456	56.681	ug/l	91
91) 1,2-Dichlorobenzene	13.657	146	368187	56.616	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	24830	49.636	ug/l	88
93) 1,2,4-Trichlorobenzene	14.919	180	190149	48.074	ug/l	98
94) Hexachlorobutadiene	15.017	225	102250	48.391	ug/l	99
95) Naphthalene	15.139	128	383807	48.455	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	161885	47.849	ug/l	98

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

