

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091224\
 Data File : VY019519.D
 Acq On : 12 Sep 2024 10:54
 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 09/13/2024
 Supervised By :Semsettin Yesilyurt 09/13/2024

Quant Time: Sep 13 01:30:08 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	472505	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	814284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	704549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	332677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	247679	56.609	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.220%			
35) Dibromofluoromethane	7.634	113	249461	54.033	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.060%			
50) Toluene-d8	10.109	98	929321	54.421	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.840%			
62) 4-Bromofluorobenzene	12.407	95	336463	51.242	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 102.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	124168	47.908	ug/l	100
3) Chloromethane	2.068	50	200835	51.373	ug/l	99
4) Vinyl Chloride	2.208	62	231201	54.693	ug/l	99
5) Bromomethane	2.598	94	163735	63.058	ug/l	97
6) Chloroethane	2.739	64	161520	58.449	ug/l	98
7) Trichlorofluoromethane	3.062	101	378595	53.728	ug/l	96
8) Diethyl Ether	3.452	74	126098	53.311	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.818	101	223968	51.380	ug/l	96
10) Methyl Iodide	4.007	142	290295	51.942	ug/l	93
11) Tert butyl alcohol	4.860	59	90899	257.257	ug/l	# 81
12) 1,1-Dichloroethene	3.793	96	222513	53.078	ug/l	92
13) Acrolein	3.653	56	36820	214.418	ug/l	99
14) Allyl chloride	4.385	41	392213	52.171	ug/l	# 93
15) Acrylonitrile	5.055	53	269374	264.120	ug/l	99
16) Acetone	3.872	43	285471	273.873	ug/l	87
17) Carbon Disulfide	4.104	76	603382	53.271	ug/l	100
18) Methyl Acetate	4.385	43	139005	49.141	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	643222	54.174	ug/l	99
20) Methylene Chloride	4.616	84	263156	55.359	ug/l	89
21) trans-1,2-Dichloroethene	5.116	96	247706	53.908	ug/l	92
22) Diisopropyl ether	6.012	45	831915	53.888	ug/l	92
23) Vinyl Acetate	5.957	43	2411243	273.446	ug/l	94
24) 1,1-Dichloroethane	5.909	63	472279	54.517	ug/l	97
25) 2-Butanone	6.890	43	389121	262.479	ug/l	# 88
26) 2,2-Dichloropropane	6.884	77	435355	55.713	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	310138	55.564	ug/l	90
28) Bromochloromethane	7.244	49	199155	54.639	ug/l	87
29) Tetrahydrofuran	7.262	42	228676	253.697	ug/l	88
30) Chloroform	7.421	83	499047	56.432	ug/l	100
31) Cyclohexane	7.701	56	383600	48.989	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	441736	55.728	ug/l	97
36) 1,1-Dichloropropene	7.835	75	333912	53.152	ug/l	97
37) Ethyl Acetate	6.982	43	165570	51.438	ug/l	96
38) Carbon Tetrachloride	7.817	117	380952	53.774	ug/l	99
39) Methylcyclohexane	9.109	83	429003	51.315	ug/l	91
40) Benzene	8.079	78	1043084	53.908	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	90389	48.173	ug/l	87
42) 1,2-Dichloroethane	8.158	62	293234	56.319	ug/l	96
43) Isopropyl Acetate	8.195	43	351011	51.905	ug/l	91
44) Trichloroethene	8.865	130	265867	53.427	ug/l	93
45) 1,2-Dichloropropane	9.140	63	254783	53.860	ug/l	98
46) Dibromomethane	9.231	93	141437	54.675	ug/l	96
47) Bromodichloromethane	9.426	83	386702	55.611	ug/l	96
48) Methyl methacrylate	9.219	41	159545	49.960	ug/l	85
49) 1,4-Dioxane	9.231	88	31958	1049.421	ug/l #	85
51) 4-Methyl-2-Pentanone	9.999	43	873195	256.658	ug/l	92
52) Toluene	10.176	92	676839	54.389	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	358285	54.051	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	416553	53.968	ug/l #	89
55) 1,1,2-Trichloroethane	10.572	97	189896	53.157	ug/l	98
56) Ethyl methacrylate	10.438	69	288036	53.078	ug/l #	82
57) 1,3-Dichloropropane	10.719	76	329614	53.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	654352	259.802	ug/l	98
59) 2-Hexanone	10.761	43	629751	252.482	ug/l	90
60) Dibromochloromethane	10.914	129	258082	54.614	ug/l	99
61) 1,2-Dibromoethane	11.018	107	176763	53.106	ug/l	98
64) Tetrachloroethene	10.652	164	223206	51.160	ug/l	95
65) Chlorobenzene	11.444	112	749615	54.089	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	259273	54.033	ug/l	98
67) Ethyl Benzene	11.524	91	1321475	53.664	ug/l	99
68) m/p-Xylenes	11.633	106	997165	107.092	ug/l	94
69) o-Xylene	11.956	106	481229	52.847	ug/l	94
70) Styrene	11.975	104	824253	53.612	ug/l	96
71) Bromoform	12.133	173	144964	52.893	ug/l #	98
73) Isopropylbenzene	12.255	105	1278904	52.990	ug/l	100
74) N-amyl acetate	12.072	43	333391	50.792	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.511	83	222866	52.025	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	142681m	45.758	ug/l	
77) Bromobenzene	12.536	156	282735	52.821	ug/l	92
78) n-propylbenzene	12.596	91	1511352	52.833	ug/l	100
79) 2-Chlorotoluene	12.682	91	880447	52.813	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	1036860	52.846	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	79228	48.777	ug/l	92
82) 4-Chlorotoluene	12.779	91	907930	52.975	ug/l	96
83) tert-Butylbenzene	12.999	119	936342	52.715	ug/l	95
84) 1,2,4-Trimethylbenzene	13.048	105	1033049	53.191	ug/l	98
85) sec-Butylbenzene	13.176	105	1363133	52.827	ug/l	100
86) p-Isopropyltoluene	13.291	119	1118714	52.990	ug/l	97
87) 1,3-Dichlorobenzene	13.291	146	552727	53.141	ug/l	97
88) 1,4-Dichlorobenzene	13.371	146	546578	52.951	ug/l	97
89) n-Butylbenzene	13.621	91	1061781	52.609	ug/l	99
90) Hexachloroethane	13.883	117	227433	51.775	ug/l	94
91) 1,2-Dichlorobenzene	13.663	146	493244	53.143	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34172	47.863	ug/l	85
93) 1,2,4-Trichlorobenzene	14.919	180	282552	50.053	ug/l	97
94) Hexachlorobutadiene	15.023	225	143688	47.647	ug/l	98
95) Naphthalene	15.145	128	544653	48.179	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	235697	48.813	ug/l	98

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

