

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082224\
 Data File : VY019211.D
 Acq On : 22 Aug 2024 11:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
 Supervised By :Semsettin Yesilyurt 08/23/2024

Quant Time: Aug 23 01:48:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	109345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	172965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	153558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	77851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	57594	52.545	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.080%			
35) Dibromofluoromethane	7.628	113	60926	53.872	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.740%			
50) Toluene-d8	10.103	98	222640	54.704	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.400%			
62) 4-Bromofluorobenzene	12.408	95	74455	53.664	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 107.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	38277	47.712	ug/l	95
3) Chloromethane	2.068	50	63216	43.717	ug/l	96
4) Vinyl Chloride	2.202	62	82088	45.958	ug/l	98
5) Bromomethane	2.592	94	64719	60.596	ug/l	97
6) Chloroethane	2.733	64	58097	51.302	ug/l	95
7) Trichlorofluoromethane	3.050	101	119246	44.158	ug/l	97
8) Diethyl Ether	3.452	74	28129	48.258	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.806	101	58142	48.430	ug/l	96
10) Methyl Iodide	3.995	142	66716	56.696	ug/l	95
11) Tert butyl alcohol	4.842	59	22328	236.885	ug/l #	80
12) 1,1-Dichloroethene	3.781	96	56319	51.635	ug/l	93
13) Acrolein	3.647	56	14958	175.858	ug/l	98
14) Allyl chloride	4.373	41	72360	49.898	ug/l	91
15) Acrylonitrile	5.043	53	60019	251.648	ug/l	97
16) Acetone	3.860	43	55587	273.458	ug/l #	87
17) Carbon Disulfide	4.098	76	153946	50.041	ug/l	100
18) Methyl Acetate	4.373	43	29503	47.290	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	136641	51.673	ug/l	95
20) Methylene Chloride	4.610	84	64730	51.602	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	63215	51.877	ug/l	96
22) Diisopropyl ether	6.013	45	179478	54.063	ug/l	93
23) Vinyl Acetate	5.945	43	708196	269.450	ug/l	97
24) 1,1-Dichloroethane	5.903	63	104613	51.528	ug/l	99
25) 2-Butanone	6.878	43	81918	250.232	ug/l	91
26) 2,2-Dichloropropane	6.878	77	87961	53.503	ug/l	99
27) cis-1,2-Dichloroethene	6.878	96	76511	53.353	ug/l	100
28) Bromochloromethane	7.238	49	43325	50.873	ug/l	96
29) Tetrahydrofuran	7.250	42	51555	244.986	ug/l	93
30) Chloroform	7.415	83	121259	53.601	ug/l	96
31) Cyclohexane	7.689	56	82195	52.651	ug/l	99
32) 1,1,1-Trichloroethane	7.610	97	107654	54.150	ug/l	99
36) 1,1-Dichloropropene	7.823	75	80284	51.696	ug/l	99
37) Ethyl Acetate	6.970	43	35395	51.442	ug/l	98
38) Carbon Tetrachloride	7.811	117	99859	55.485	ug/l	93
39) Methylcyclohexane	9.103	83	102747	51.556	ug/l	99
40) Benzene	8.073	78	258656	54.306	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	19877m	52.928	ug/l	
42) 1,2-Dichloroethane	8.152	62	68076	52.928	ug/l	99
43) Isopropyl Acetate	8.183	43	70176	50.432	ug/l #	82
44) Trichloroethene	8.860	130	70568	53.099	ug/l	100
45) 1,2-Dichloropropane	9.134	63	56083	52.849	ug/l	99
46) Dibromomethane	9.225	93	36274	52.702	ug/l	98
47) Bromodichloromethane	9.420	83	91253	54.039	ug/l	97
48) Methyl methacrylate	9.213	41	31816	51.304	ug/l #	89
49) 1,4-Dioxane	9.219	88	8663	1039.019	ug/l #	97
51) 4-Methyl-2-Pentanone	10.000	43	184695	250.076	ug/l	95
52) Toluene	10.170	92	173055	55.351	ug/l	97
53) t-1,3-Dichloropropene	10.390	75	77129	55.061	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	92763	55.064	ug/l #	88
55) 1,1,2-Trichloroethane	10.573	97	47702	53.836	ug/l	95
56) Ethyl methacrylate	10.439	69	62900	54.235	ug/l #	90
57) 1,3-Dichloropropane	10.719	76	77377	53.570	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	139575	253.684	ug/l	95
59) 2-Hexanone	10.762	43	128755	253.753	ug/l	93
60) Dibromochloromethane	10.914	129	66550	55.145	ug/l	98
61) 1,2-Dibromoethane	11.018	107	45140	52.709	ug/l	99
64) Tetrachloroethene	10.646	164	70981	52.883	ug/l	97
65) Chlorobenzene	11.444	112	188064	53.188	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	69489	55.884	ug/l	98
67) Ethyl Benzene	11.518	91	335321	54.639	ug/l	100
68) m/p-Xylenes	11.627	106	274227	112.613	ug/l	99
69) o-Xylene	11.957	106	125450	55.631	ug/l	99
70) Styrene	11.969	104	217344	56.519	ug/l	97
71) Bromoform	12.133	173	39459	55.513	ug/l #	99
73) Isopropylbenzene	12.255	105	331796	55.606	ug/l	99
74) N-amyl acetate	12.072	43	65827	50.592	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.511	83	52771	49.677	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	34101m	44.417	ug/l	
77) Bromobenzene	12.536	156	77577	54.136	ug/l	92
78) n-propylbenzene	12.597	91	389291	54.576	ug/l	99
79) 2-Chlorotoluene	12.682	91	217061	54.278	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	270494	55.646	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	16151	51.954	ug/l	88
82) 4-Chlorotoluene	12.780	91	225776	54.265	ug/l	98
83) tert-Butylbenzene	12.999	119	242852	54.099	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	262992	54.284	ug/l	98
85) sec-Butylbenzene	13.176	105	354427	54.180	ug/l	98
86) p-Isopropyltoluene	13.292	119	299587	55.755	ug/l	97
87) 1,3-Dichlorobenzene	13.292	146	155389	54.984	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	151517	53.936	ug/l	99
89) n-Butylbenzene	13.621	91	259651	53.002	ug/l	98
90) Hexachloroethane	13.883	117	57823	54.597	ug/l	100
91) 1,2-Dichlorobenzene	13.664	146	133935	53.886	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	7649	48.946	ug/l	98
93) 1,2,4-Trichlorobenzene	14.926	180	71522	51.026	ug/l	99
94) Hexachlorobutadiene	15.029	225	39796	54.508	ug/l	97
95) Naphthalene	15.145	128	125109	50.012	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	60834	51.458	ug/l	97

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

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