

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019532.D
 Acq On : 13 Sep 2024 10:30
 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 : Semsettin Yesilyurt 09/16/2024
 Supervised By : Mahesh Dadoda 09/16/2024

Quant Time: Sep 13 23:28:30 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	462464	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	778339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	664736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	310597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	229374	53.563	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.120%			
35) Dibromofluoromethane	7.634	113	235006	53.253	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.500%			
50) Toluene-d8	10.109	98	870778	53.347	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.700%			
62) 4-Bromofluorobenzene	12.408	95	307751	49.034	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 98.060%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	121319	47.818	ug/l	100
3) Chloromethane	2.074	50	188461	49.255	ug/l	97
4) Vinyl Chloride	2.208	62	223661	54.058	ug/l	100
5) Bromomethane	2.598	94	157733	62.066	ug/l	96
6) Chloroethane	2.739	64	157073	58.074	ug/l	100
7) Trichlorofluoromethane	3.056	101	378763	54.918	ug/l	99
8) Diethyl Ether	3.452	74	120250	51.942	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.812	101	225504	52.855	ug/l	96
10) Methyl Iodide	4.001	142	272229	49.768	ug/l	93
11) Tert butyl alcohol	4.860	59	84135	243.284	ug/l	# 77
12) 1,1-Dichloroethene	3.787	96	214113	52.184	ug/l	88
13) Acrolein	3.653	56	35815	213.000	ug/l	96
14) Allyl chloride	4.379	41	372360	50.606	ug/l	# 93
15) Acrylonitrile	5.055	53	250450	250.897	ug/l	98
16) Acetone	3.867	43	269841	264.498	ug/l	# 87
17) Carbon Disulfide	4.104	76	586237	52.882	ug/l	97
18) Methyl Acetate	4.385	43	122186	44.133	ug/l	93
19) Methyl tert-butyl Ether	5.110	73	600656	51.688	ug/l	99
20) Methylene Chloride	4.616	84	246640	53.011	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	241754	53.755	ug/l	94
22) Diisopropyl ether	6.013	45	786477	52.051	ug/l	93
23) Vinyl Acetate	5.952	43	2269078	262.911	ug/l	94
24) 1,1-Dichloroethane	5.909	63	452895	53.415	ug/l	98
25) 2-Butanone	6.890	43	358705	247.216	ug/l	# 87
26) 2,2-Dichloropropane	6.878	77	421289	55.084	ug/l	97
27) cis-1,2-Dichloroethene	6.884	96	298596	54.658	ug/l	90
28) Bromochloromethane	7.238	49	192990	54.097	ug/l	87
29) Tetrahydrofuran	7.262	42	212190	240.519	ug/l	87
30) Chloroform	7.415	83	474329	54.801	ug/l	98
31) Cyclohexane	7.701	56	373621	48.751	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	430570	55.499	ug/l	97
36) 1,1-Dichloropropene	7.835	75	329363	54.849	ug/l	97
37) Ethyl Acetate	6.976	43	155487	50.536	ug/l	96
38) Carbon Tetrachloride	7.817	117	371176	54.814	ug/l	98
39) Methylcyclohexane	9.110	83	423174	52.955	ug/l	91
40) Benzene	8.079	78	1004229	54.296	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	88645	49.426	ug/l #	86
42) 1,2-Dichloroethane	8.152	62	271790	54.611	ug/l	98
43) Isopropyl Acetate	8.195	43	324575	50.213	ug/l	91
44) Trichloroethene	8.866	130	259023	54.455	ug/l	97
45) 1,2-Dichloropropane	9.140	63	240593	53.209	ug/l	99
46) Dibromomethane	9.231	93	133697	54.070	ug/l	96
47) Bromodichloromethane	9.420	83	364959	54.908	ug/l	99
48) Methyl methacrylate	9.219	41	147568	48.343	ug/l	86
49) 1,4-Dioxane	9.231	88	28851	991.147	ug/l #	87
51) 4-Methyl-2-Pentanone	10.000	43	804762	247.468	ug/l	92
52) Toluene	10.170	92	654762	55.044	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	335030	52.877	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	399956	54.211	ug/l #	87
55) 1,1,2-Trichloroethane	10.573	97	181793	53.239	ug/l	95
56) Ethyl methacrylate	10.439	69	267866	51.641	ug/l #	82
57) 1,3-Dichloropropane	10.719	76	308709	52.595	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	566261	235.209	ug/l	98
59) 2-Hexanone	10.762	43	586092	245.830	ug/l	90
60) Dibromochloromethane	10.908	129	248175	54.942	ug/l	99
61) 1,2-Dibromoethane	11.018	107	163814	51.488	ug/l	99
64) Tetrachloroethene	10.646	164	222100	53.955	ug/l	95
65) Chlorobenzene	11.444	112	714168	54.618	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	243548	53.796	ug/l	99
67) Ethyl Benzene	11.518	91	1272315	54.762	ug/l	98
68) m/p-Xylenes	11.627	106	959718	109.244	ug/l	94
69) o-Xylene	11.957	106	463773	53.980	ug/l	95
70) Styrene	11.969	104	787378	54.280	ug/l	97
71) Bromoform	12.133	173	134917	52.176	ug/l #	97
73) Isopropylbenzene	12.255	105	1236700	54.884	ug/l	99
74) N-amyl acetate	12.072	43	304358	49.665	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.505	83	207115	51.786	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	153427m	52.702	ug/l	
77) Bromobenzene	12.530	156	266719	53.371	ug/l	92
78) n-propylbenzene	12.597	91	1469738	55.031	ug/l	100
79) 2-Chlorotoluene	12.682	91	832034	53.457	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	991276	54.114	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	74700	49.259	ug/l	93
82) 4-Chlorotoluene	12.780	91	866953	54.180	ug/l	96
83) tert-Butylbenzene	12.999	119	910804	54.923	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	981273	54.116	ug/l	98
85) sec-Butylbenzene	13.176	105	1325364	55.015	ug/l	99
86) p-Isopropyltoluene	13.292	119	1077787	54.681	ug/l	97
87) 1,3-Dichlorobenzene	13.286	146	525048	54.069	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	513081	53.240	ug/l	97
89) n-Butylbenzene	13.621	91	1027790	54.545	ug/l	99
90) Hexachloroethane	13.877	117	220212	53.695	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	458964	52.965	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31237	46.863	ug/l	84
93) 1,2,4-Trichlorobenzene	14.919	180	253759	48.148	ug/l	97
94) Hexachlorobutadiene	15.023	225	140453	49.885	ug/l	99
95) Naphthalene	15.145	128	481886	45.657	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	211643	46.947	ug/l	98

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

