

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019187.D
 Acq On : 21 Aug 2024 22:19
 Operator : SY/MD
 Sample : P3643-02MS
 Misc : 5.33g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 932-K1-SD-0-0.5-081524MS

Quant Time: Aug 22 01:20:47 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	36140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	45194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	16419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	4437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	28464	78.570	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	157.140%	
35) Dibromofluoromethane	7.622	113	26482	89.616	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	179.240%#	
50) Toluene-d8	10.103	98	46175	43.421	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	86.840%	
62) 4-Bromofluorobenzene	12.407	95	5069	13.983	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	27.960%#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	35641	134.417	ug/l	99
3) Chloromethane	2.062	50	56024	117.222	ug/l	98
4) Vinyl Chloride	2.202	62	61156	103.593	ug/l	99
5) Bromomethane	2.592	94	19049	53.229	ug/l	98
6) Chloroethane	2.732	64	38055	117.145	ug/l	97
7) Trichlorofluoromethane	3.049	101	88624	99.294	ug/l	95
8) Diethyl Ether	3.446	74	20599	106.923	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.805	101	42881	108.069	ug/l	98
10) Methyl Iodide	4.000	142	6729	17.301	ug/l #	89
11) Tert butyl alcohol	4.860	59	11797	408.420	ug/l #	96
12) 1,1-Dichloroethene	3.787	96	29744	82.508	ug/l	96
14) Allyl chloride	4.372	41	10949	22.844	ug/l #	92
15) Acrylonitrile	5.049	53	32830	416.473	ug/l	96
16) Acetone	3.866	43	59926	891.955	ug/l #	80
17) Carbon Disulfide	4.098	76	20802	20.458	ug/l	99
18) Methyl Acetate	4.378	43	58843	285.372	ug/l	94
19) Methyl tert-butyl Ether	5.104	73	104074	119.079	ug/l	98
20) Methylene Chloride	4.610	84	47832	131.257	ug/l	94
21) trans-1,2-Dichloroethene	5.104	96	19655	48.802	ug/l	93
22) Diisopropyl ether	6.012	45	112226	102.281	ug/l	99
24) 1,1-Dichloroethane	5.903	63	60691	90.447	ug/l	100
25) 2-Butanone	6.884	43	51703	477.849	ug/l	92
26) 2,2-Dichloropropane	6.884	77	29220	53.775	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	29596	62.442	ug/l	99
28) Bromochloromethane	7.238	49	22469	79.826	ug/l	97
29) Tetrahydrofuran	7.256	42	34564	496.941	ug/l	92
30) Chloroform	7.414	83	59758	79.923	ug/l	96
31) Cyclohexane	7.695	56	43235	86.561	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	51570	78.482	ug/l	97
36) 1,1-Dichloropropene	7.829	75	23606	58.174	ug/l	99
38) Carbon Tetrachloride	7.811	117	33793	71.861	ug/l	97
39) Methylcyclohexane	9.103	83	35003	67.219	ug/l	94
40) Benzene	8.073	78	97561	78.393	ug/l	97
41) Methacrylonitrile	7.213	41	7279m	74.180	ug/l	
42) 1,2-Dichloroethane	8.152	62	34904	103.859	ug/l	96
43) Isopropyl Acetate	8.195	43	4420	12.157	ug/l #	57

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44) Trichloroethene	8.859	130	16042	46.197	ug/l	94
45) 1,2-Dichloropropane	9.140	63	25234	91.006	ug/l	91
46) Dibromomethane	9.231	93	15471	86.025	ug/l	97
47) Bromodichloromethane	9.420	83	26301	59.609	ug/l	97
48) Methyl methacrylate	9.213	41	15011	92.639	ug/l #	88
49) 1,4-Dioxane	9.225	88	5603	2571.895	ug/l #	96
51) 4-Methyl-2-Pentanone	9.999	43	89434	463.443	ug/l	92
52) Toluene	10.170	92	31975	39.141	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	6701	18.308	ug/l #	83
54) cis-1,3-Dichloropropene	9.853	75	10458	23.759	ug/l #	86
55) 1,1,2-Trichloroethane	10.572	97	14913	64.414	ug/l	99
56) Ethyl methacrylate	10.438	69	1754	5.788	ug/l #	78
57) 1,3-Dichloropropane	10.719	76	22209	58.846	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	4792	33.333	ug/l	99
59) 2-Hexanone	10.761	43	35154	265.155	ug/l	92
60) Dibromochloromethane	10.914	129	11529	36.562	ug/l	99
61) 1,2-Dibromoethane	11.011	107	10289	45.980	ug/l	98
64) Tetrachloroethene	10.646	164	9286	64.704	ug/l	93
65) Chlorobenzene	11.444	112	16417	43.423	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.517	131	13092	98.470	ug/l	95
67) Ethyl Benzene	11.517	91	33301	50.748	ug/l	97
68) m/p-Xylenes	11.627	106	22386	85.976	ug/l	96
69) o-Xylene	11.956	106	11648	48.308	ug/l	100
70) Styrene	11.969	104	4746	11.543	ug/l #	69
71) Bromoform	12.139	173	4955	65.196	ug/l #	96
73) Isopropylbenzene	12.255	105	26652	78.371	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	11066	182.778	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	5430m	124.095	ug/l	
77) Bromobenzene	12.536	156	4825	59.078	ug/l	83
78) n-propylbenzene	12.596	91	21767	53.542	ug/l	98
79) 2-Chlorotoluene	12.682	91	11725	51.443	ug/l	95
80) 1,3,5-Trimethylbenzene	12.743	105	14963	54.010	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	337	19.020	ug/l #	78
82) 4-Chlorotoluene	12.779	91	9300	39.220	ug/l	96
83) tert-Butylbenzene	12.999	119	16733	65.403	ug/l	96
84) 1,2,4-Trimethylbenzene	13.048	105	12786	46.307	ug/l	97
85) sec-Butylbenzene	13.176	105	16216	43.494	ug/l	98
86) p-Isopropyltoluene	13.291	119	12201	39.841	ug/l	96
87) 1,3-Dichlorobenzene	13.291	146	4428	27.492	ug/l	91
88) 1,4-Dichlorobenzene	13.371	146	4071	25.427	ug/l	91
89) n-Butylbenzene	13.621	91	7067	25.311	ug/l	96
90) Hexachloroethane	13.883	117	3124	51.755	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	4416	31.173	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	980	110.032	ug/l	83
93) 1,2,4-Trichlorobenzene	14.925	180	888	11.116	ug/l	86
94) Hexachlorobutadiene	15.029	225	968	23.263	ug/l	85
95) Naphthalene	15.151	128	1359	9.532	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.334	180	850	12.615	ug/l	90

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

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