

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021107.D
 Acq On : 06 Feb 2025 12:53
 Operator : SY/MD
 Sample : Q1168-01 4PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Quant Time: Feb 07 02:30:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	204755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	332053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	277281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	131518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	107771	51.371	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.740%			
35) Dibromofluoromethane	7.640	113	103892	48.821	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.640%			
50) Toluene-d8	10.109	98	381779	47.124	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.240%			
62) 4-Bromofluorobenzene	12.408	95	125272	47.331	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	7460	4.088	ug/l	99
3) Chloromethane	2.074	50	8733	4.849	ug/l	98
4) Vinyl Chloride	2.208	62	8435	4.654	ug/l	100
5) Bromomethane	2.605	94	6067	5.416	ug/l	82
6) Chloroethane	2.739	64	5330	4.940	ug/l	96
7) Trichlorofluoromethane	3.062	101	14489	4.388	ug/l	96
8) Diethyl Ether	3.464	74	4738	4.596	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.830	101	9175	4.427	ug/l	99
10) Methyl Iodide	4.019	142	9018	3.917	ug/l	92
11) Tert butyl alcohol	4.879	59	4196	29.515	ug/l #	75
12) 1,1-Dichloroethene	3.800	96	8656	4.434	ug/l	97
13) Acrolein	3.659	56	5296	24.192	ug/l	98
14) Allyl chloride	4.391	41	14229	4.325	ug/l	98
15) Acrylonitrile	5.068	53	8674	20.206	ug/l	95
16) Acetone	3.879	43	7941	24.273	ug/l	91
17) Carbon Disulfide	4.117	76	26898	4.394	ug/l	98
18) Methyl Acetate	4.397	43	5347	4.656	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	21195	4.295	ug/l	97
20) Methylene Chloride	4.629	84	9343	4.594	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	9697	4.512	ug/l	93
22) Diisopropyl ether	6.031	45	27705	4.085	ug/l	99
23) Vinyl Acetate	5.964	43	75480	19.965	ug/l	99
24) 1,1-Dichloroethane	5.927	63	17335	4.363	ug/l	98
25) 2-Butanone	6.909	43	12172	22.641	ug/l	95
26) 2,2-Dichloropropane	6.890	77	16044	4.364	ug/l	97
27) cis-1,2-Dichloroethene	6.897	96	10578	4.276	ug/l	92
28) Bromochloromethane	7.256	49	8109	5.161	ug/l #	99
29) Tetrahydrofuran	7.281	42	7777	21.378	ug/l	93
30) Chloroform	7.427	83	17520	4.293	ug/l	100
31) Cyclohexane	7.707	56	18174	5.079	ug/l #	75
32) 1,1,1-Trichloroethane	7.622	97	15842	4.175	ug/l	98
36) 1,1-Dichloropropene	7.842	75	13009	4.127	ug/l	99
37) Ethyl Acetate	6.994	43	6341	4.586	ug/l	97
38) Carbon Tetrachloride	7.823	117	14382	3.905	ug/l	98
39) Methylcyclohexane	9.110	83	15023	3.897	ug/l	97
40) Benzene	8.085	78	37760	4.082	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	2331	2.914	ug/l #	78
42) 1,2-Dichloroethane	8.165	62	10945	4.266	ug/l	98
43) Isopropyl Acetate	8.207	43	10580	3.851	ug/l	99
44) Trichloroethene	8.872	130	9519	3.983	ug/l	98
45) 1,2-Dichloropropane	9.146	63	8845	4.029	ug/l	97
46) Dibromomethane	9.238	93	5188	4.268	ug/l	100
47) Bromodichloromethane	9.433	83	13391	4.108	ug/l	88
48) Methyl methacrylate	9.225	41	5111	4.084	ug/l	90
49) 1,4-Dioxane	9.232	88	1019	90.048	ug/l #	75
51) 4-Methyl-2-Pentanone	10.006	43	27036	19.568	ug/l	97
52) Toluene	10.176	92	23593	4.062	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	11052	3.775	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	13961	4.028	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	6598	4.192	ug/l	96
56) Ethyl methacrylate	10.445	69	7520	3.571	ug/l #	88
57) 1,3-Dichloropropane	10.719	76	11004	4.039	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.719	63	20869	20.831	ug/l	97
59) 2-Hexanone	10.768	43	16631	18.695	ug/l	94
60) Dibromochloromethane	10.914	129	9055	4.096	ug/l	96
61) 1,2-Dibromoethane	11.018	107	6163	4.180	ug/l	96
64) Tetrachloroethene	10.652	164	8626	4.191	ug/l	94
65) Chlorobenzene	11.445	112	25511	4.132	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.524	131	9038	4.119	ug/l	97
67) Ethyl Benzene	11.524	91	42208	3.865	ug/l	97
68) m/p-Xylenes	11.634	106	31260	7.652	ug/l	94
69) o-Xylene	11.957	106	14760	3.875	ug/l	98
70) Styrene	11.975	104	23682	3.730	ug/l	99
71) Bromoform	12.133	173	4835	3.959	ug/l #	93
73) Isopropylbenzene	12.261	105	39065	3.803	ug/l	100
74) N-amyl acetate	12.079	43	7881	3.509	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	7337	4.294	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	5182m	4.344	ug/l	
77) Bromobenzene	12.542	156	9795	4.132	ug/l	93
78) n-propylbenzene	12.603	91	47734	3.900	ug/l	98
79) 2-Chlorotoluene	12.682	91	27676	3.948	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	30685	3.684	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	2093	3.580	ug/l	90
82) 4-Chlorotoluene	12.786	91	28618	4.007	ug/l	100
83) tert-Butylbenzene	13.005	119	28633	3.782	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	29846	3.665	ug/l	96
85) sec-Butylbenzene	13.182	105	41187	3.779	ug/l	100
86) p-Isopropyltoluene	13.298	119	33283	3.676	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	18595	4.062	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	18261	4.052	ug/l	92
89) n-Butylbenzene	13.627	91	29113	3.525	ug/l	98
90) Hexachloroethane	13.883	117	7357	3.895	ug/l	87
91) 1,2-Dichlorobenzene	13.664	146	16175	4.071	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1083	4.242	ug/l	82
93) 1,2,4-Trichlorobenzene	14.926	180	8010	3.622	ug/l	98
94) Hexachlorobutadiene	15.029	225	5723	3.905	ug/l	97
95) Naphthalene	15.151	128	12124	3.427	ug/l	96
96) 1,2,3-Trichlorobenzene	15.334	180	6574	3.572	ug/l	96

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

