

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021895.D
 Acq On : 15 Apr 2025 14:49
 Operator : SY/MD
 Sample : Q1790-02MS
 Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-872-G1-SO-20.0-20.5-041025MS

Quant Time: Apr 16 03:02:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	160960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	248136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	223338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	117205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	80929	46.405	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.820%		
35) Dibromofluoromethane	7.634	113	79187	49.196	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.400%		
50) Toluene-d8	10.109	98	300662	49.100	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.200%		
62) 4-Bromofluorobenzene	12.408	95	103457	49.949	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	79663	47.751	ug/l	97
3) Chloromethane	2.068	50	97861	41.716	ug/l	98
4) Vinyl Chloride	2.202	62	120311	45.349	ug/l	99
5) Bromomethane	2.598	94	75470	41.709	ug/l	98
6) Chloroethane	2.739	64	75741	43.630	ug/l	95
7) Trichlorofluoromethane	3.062	101	169663	49.923	ug/l	99
8) Diethyl Ether	3.458	74	41166	44.542	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	95852	53.476	ug/l	99
10) Methyl Iodide	4.001	142	100928	51.326	ug/l	98
11) Tert butyl alcohol	4.866	59	21242	187.527	ug/l #	84
12) 1,1-Dichloroethene	3.793	96	83728	49.593	ug/l	91
13) Acrolein	3.653	56	8597	41.565	ug/l	94
14) Allyl chloride	4.391	41	109479	40.670	ug/l	99
15) Acrylonitrile	5.061	53	84714	219.529	ug/l	99
16) Acetone	3.873	43	71054	199.076	ug/l	97
17) Carbon Disulfide	4.110	76	252120	45.339	ug/l	99
18) Methyl Acetate	4.385	43	53263	60.212	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	192454	45.786	ug/l	97
20) Methylene Chloride	4.616	84	94364	54.368	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	89380	48.082	ug/l	97
22) Diisopropyl ether	6.018	45	268487	47.546	ug/l	96
23) Vinyl Acetate	5.957	43	574416	173.885	ug/l	100
24) 1,1-Dichloroethane	5.915	63	166322	49.258	ug/l	98
25) 2-Butanone	6.896	43	103822	203.656	ug/l	98
26) 2,2-Dichloropropane	6.890	77	139644	46.493	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	162877	77.915	ug/l	94
28) Bromochloromethane	7.244	49	68238	47.920	ug/l	95
29) Tetrahydrofuran	7.262	42	68317	208.223	ug/l	100
30) Chloroform	7.421	83	171198	48.747	ug/l	98
31) Cyclohexane	7.701	56	148991	48.406	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	159419	50.224	ug/l	100
36) 1,1-Dichloropropene	7.835	75	122616	50.013	ug/l	97
37) Ethyl Acetate	6.982	43	47259	40.844	ug/l #	80
38) Carbon Tetrachloride	7.817	117	147722	52.607	ug/l	99
39) Methylcyclohexane	9.109	83	160474	54.791	ug/l	96
40) Benzene	8.079	78	368400	50.175	ug/l	99

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41) Methacrylonitrile	7.226	41	28752	46.791	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	100863	48.729	ug/l	99
43) Isopropyl Acetate	8.195	43	95761	43.672	ug/l	99
44) Trichloroethene	8.866	130	160460	85.774	ug/l	99
45) 1,2-Dichloropropane	9.140	63	86559	49.805	ug/l	99
46) Dibromomethane	9.231	93	48661	48.582	ug/l	99
47) Bromodichloromethane	9.426	83	129157	49.764	ug/l	95
48) Methyl methacrylate	9.219	41	46161	45.869	ug/l	99
49) 1,4-Dioxane	9.231	88	9496	885.001	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	252335	221.136	ug/l	100
52) Toluene	10.170	92	233003	50.864	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	110130	47.773	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	129117	47.476	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	64135	49.757	ug/l	98
56) Ethyl methacrylate	10.438	69	75570	45.915	ug/l	100
57) 1,3-Dichloropropane	10.719	76	108969	48.950	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	210306	261.930	ug/l	99
59) 2-Hexanone	10.762	43	164590	216.582	ug/l	99
60) Dibromochloromethane	10.914	129	88941	50.539	ug/l	100
61) 1,2-Dibromoethane	11.011	107	59906	49.544	ug/l	99
64) Tetrachloroethene	10.646	164	113161	55.632	ug/l	97
65) Chlorobenzene	11.438	112	249621	48.758	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	90527	49.837	ug/l	99
67) Ethyl Benzene	11.517	91	436863	49.762	ug/l	99
68) m/p-Xylenes	11.627	106	341492	101.582	ug/l	98
69) o-Xylene	11.956	106	158008	50.918	ug/l	99
70) Styrene	11.969	104	264416	51.105	ug/l	99
71) Bromoform	12.133	173	50185	48.435	ug/l	100
73) Isopropylbenzene	12.255	105	427817	49.145	ug/l	100
74) N-amyl acetate	12.072	43	78242	38.297	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	65184	41.648	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	51397m	44.239	ug/l	
77) Bromobenzene	12.529	156	99369	47.542	ug/l	96
78) n-propylbenzene	12.597	91	514790	49.188	ug/l	100
79) 2-Chlorotoluene	12.676	91	289487	47.623	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	347678	48.867	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	19792	39.253	ug/l	98
82) 4-Chlorotoluene	12.779	91	295023	46.553	ug/l	98
83) tert-Butylbenzene	12.999	119	320767	50.618	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	344493	48.990	ug/l	99
85) sec-Butylbenzene	13.176	105	472871	51.060	ug/l	100
86) p-Isopropyltoluene	13.292	119	391754	51.181	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	192919	46.848	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	189818	46.655	ug/l	99
89) n-Butylbenzene	13.615	91	344369	48.648	ug/l	100
90) Hexachloroethane	13.877	117	82803	49.366	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	170501	47.564	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10382	42.799	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	91478	47.057	ug/l	99
94) Hexachlorobutadiene	15.023	225	65199	53.703	ug/l	98
95) Naphthalene	15.145	128	149216	46.309	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	78906	47.599	ug/l	99

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

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