

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021896.D
 Acq On : 15 Apr 2025 15:11
 Operator : SY/MD
 Sample : Q1790-03MSD
 Misc : 7.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Apr 16 03:02:44 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	7.713	168	125617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	191919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	178956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	98584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	72010	52.909	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.820%			
35) Dibromofluoromethane	7.634	113	67321	54.075	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.160%			
50) Toluene-d8	10.109	98	247087	52.170	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.340%			
62) 4-Bromofluorobenzene	12.408	95	88431	55.201	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	80689	61.974	ug/l	99
3) Chloromethane	2.068	50	100308	54.790	ug/l	99
4) Vinyl Chloride	2.202	62	119779	57.852	ug/l	99
5) Bromomethane	2.598	94	72458	51.311	ug/l	99
6) Chloroethane	2.732	64	73542	54.282	ug/l	98
7) Trichlorofluoromethane	3.056	101	166012	62.593	ug/l	95
8) Diethyl Ether	3.452	74	40100	55.596	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	94657	67.667	ug/l	98
10) Methyl Iodide	4.007	142	96841	63.104	ug/l	99
11) Tert butyl alcohol	4.872	59	22322	252.505	ug/l	99
12) 1,1-Dichloroethene	3.793	96	80167	60.843	ug/l	95
13) Acrolein	3.659	56	8838	54.752	ug/l	99
14) Allyl chloride	4.385	41	89540	42.622	ug/l	99
15) Acrylonitrile	5.061	53	86999	288.882	ug/l	99
16) Acetone	3.873	43	73349	263.326	ug/l	92
17) Carbon Disulfide	4.104	76	240563	55.432	ug/l	99
18) Methyl Acetate	4.385	43	54359	78.741	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	189488	57.764	ug/l	97
20) Methylene Chloride	4.616	84	94168	70.688	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	85413	58.876	ug/l	93
22) Diisopropyl ether	6.019	45	255521	57.982	ug/l	99
23) Vinyl Acetate	5.964	43	582548	225.962	ug/l	97
24) 1,1-Dichloroethane	5.915	63	157011	59.584	ug/l	100
25) 2-Butanone	6.896	43	109170	274.398	ug/l	96
26) 2,2-Dichloropropane	6.890	77	133576	56.986	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	161772	99.159	ug/l	93
28) Bromochloromethane	7.244	49	60501	54.440	ug/l	97
29) Tetrahydrofuran	7.262	42	68697	268.291	ug/l	98
30) Chloroform	7.421	83	160381	58.516	ug/l	100
31) Cyclohexane	7.701	56	145919	60.746	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	151519	61.166	ug/l	100
36) 1,1-Dichloropropene	7.835	75	118647	62.569	ug/l	98
37) Ethyl Acetate	6.982	43	49658	55.489	ug/l	99
38) Carbon Tetrachloride	7.817	117	142154	65.453	ug/l	99
39) Methylcyclohexane	9.109	83	159575	70.444	ug/l	99
40) Benzene	8.079	78	348429	61.356	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	28813	60.625	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	95605	59.718	ug/l	98
43) Isopropyl Acetate	8.195	43	97435	57.452	ug/l #	84
44) Trichloroethene	8.866	130	162112	112.040	ug/l	99
45) 1,2-Dichloropropane	9.140	63	81861	60.899	ug/l	98
46) Dibromomethane	9.231	93	47620	61.469	ug/l	99
47) Bromodichloromethane	9.426	83	122527	61.038	ug/l	98
48) Methyl methacrylate	9.219	41	46621	59.896	ug/l	100
49) 1,4-Dioxane	9.231	88	9655	1163.394	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	262459	297.383	ug/l	99
52) Toluene	10.170	92	218888	61.779	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	106171	59.546	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	124081	58.989	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	62260	62.451	ug/l	98
56) Ethyl methacrylate	10.438	69	77724	61.056	ug/l	96
57) 1,3-Dichloropropane	10.719	76	105196	61.097	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	204684	329.602	ug/l	98
59) 2-Hexanone	10.762	43	169687	288.695	ug/l	99
60) Dibromochloromethane	10.914	129	87251	64.101	ug/l	99
61) 1,2-Dibromoethane	11.012	107	57114	61.071	ug/l	96
64) Tetrachloroethene	10.646	164	110011	67.496	ug/l	100
65) Chlorobenzene	11.438	112	234749	57.224	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	84022	57.728	ug/l	97
67) Ethyl Benzene	11.518	91	409824	58.259	ug/l	98
68) m/p-Xylenes	11.627	106	318312	118.169	ug/l	99
69) o-Xylene	11.956	106	148326	59.653	ug/l	99
70) Styrene	11.969	104	246680	59.501	ug/l	99
71) Bromoform	12.133	173	50713	61.083	ug/l	99
73) Isopropylbenzene	12.255	105	406242	55.481	ug/l	99
74) N-amyl acetate	12.072	43	84238	49.020	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	67139	51.000	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	52490m	53.714	ug/l	
77) Bromobenzene	12.530	156	94427	53.711	ug/l	97
78) n-propylbenzene	12.597	91	490327	55.700	ug/l	99
79) 2-Chlorotoluene	12.682	91	274483	53.684	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	327480	54.722	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	20024	47.214	ug/l	96
82) 4-Chlorotoluene	12.779	91	281320	52.776	ug/l	99
83) tert-Butylbenzene	12.999	119	303077	56.860	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	331069	55.974	ug/l	99
85) sec-Butylbenzene	13.176	105	452912	58.143	ug/l	100
86) p-Isopropyltoluene	13.292	119	371295	57.671	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	186413	53.819	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	184578	53.936	ug/l	99
89) n-Butylbenzene	13.615	91	338751	56.894	ug/l	100
90) Hexachloroethane	13.883	117	78405	55.573	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	166819	55.326	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11257	55.171	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	93351	57.091	ug/l	99
94) Hexachlorobutadiene	15.023	225	62755	61.453	ug/l	99
95) Naphthalene	15.145	128	162339	59.898	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	81664	58.568	ug/l	98

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

