

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031925\
 Data File : VY021567.D
 Acq On : 19 Mar 2025 13:43
 Operator : SY/MD
 Sample : VY0319SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/20/2025
 Supervised By :Semsettin Yesilyurt 03/20/2025

Quant Time: Mar 20 01:29:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	212929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	329919	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	287908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151635	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	115315	51.239	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.480%
35) Dibromofluoromethane	7.634	113	106640	49.174	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.340%
50) Toluene-d8	10.103	98	401912	48.948	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.900%
62) 4-Bromofluorobenzene	12.401	95	139444	49.925	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.860%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	36243	18.548	ug/l	98
3) Chloromethane	2.068	50	53461	19.406	ug/l	99
4) Vinyl Chloride	2.202	62	61611	20.465	ug/l	96
5) Bromomethane	2.586	94	42475	19.522	ug/l	99
6) Chloroethane	2.726	64	42082	21.152	ug/l	97
7) Trichlorofluoromethane	3.049	101	88428	21.044	ug/l	91
8) Diethyl Ether	3.452	74	23081	19.821	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	47981	20.000	ug/l	100
10) Methyl Iodide	4.001	142	45816	18.787	ug/l	100
11) Tert butyl alcohol	4.854	59	18342	113.003	ug/l #	88
12) 1,1-Dichloroethene	3.781	96	43219	19.760	ug/l	97
13) Acrolein	3.647	56	12325	107.670	ug/l	93
14) Allyl chloride	4.385	41	69730	19.727	ug/l	98
15) Acrylonitrile	5.055	53	54509	109.961	ug/l	99
16) Acetone	3.866	43	51373	104.659	ug/l	96
17) Carbon Disulfide	4.098	76	117256	17.106	ug/l	99
18) Methyl Acetate	4.378	43	23992	22.029	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	114611	20.674	ug/l	96
20) Methylene Chloride	4.610	84	51707	20.068	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	47158	19.252	ug/l	99
22) Diisopropyl ether	6.012	45	157072	20.620	ug/l	98
23) Vinyl Acetate	5.957	43	446192	102.634	ug/l	99
24) 1,1-Dichloroethane	5.909	63	91741	20.406	ug/l	99
25) 2-Butanone	6.890	43	71841	105.803	ug/l	100
26) 2,2-Dichloropropane	6.884	77	81541	19.711	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	56654	20.359	ug/l	96
28) Bromochloromethane	7.244	49	37987	20.154	ug/l	100
29) Tetrahydrofuran	7.256	42	45507	108.560	ug/l	99
30) Chloroform	7.421	83	96072	20.579	ug/l	96
31) Cyclohexane	7.695	56	75743	17.970	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	86158	20.156	ug/l	99
36) 1,1-Dichloropropene	7.829	75	65450	19.281	ug/l	99
37) Ethyl Acetate	6.976	43	32140	21.422	ug/l	100
38) Carbon Tetrachloride	7.811	117	77073	19.742	ug/l	98
39) Methylcyclohexane	9.109	83	75382	18.104	ug/l	100
40) Benzene	8.079	78	198071	19.808	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	14456	17.695	ug/l #	79
42) 1,2-Dichloroethane	8.158	62	56678	20.261	ug/l	99
43) Isopropyl Acetate	8.195	43	61613	21.154	ug/l	100
44) Trichloroethene	8.859	130	51116	20.229	ug/l	95
45) 1,2-Dichloropropane	9.140	63	49566	20.827	ug/l	100
46) Dibromomethane	9.231	93	27852	21.033	ug/l	99
47) Bromodichloromethane	9.420	83	74022	21.049	ug/l	100
48) Methyl methacrylate	9.219	41	27236	20.364	ug/l	98
49) 1,4-Dioxane	9.225	88	6543	503.405	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	163688	108.923	ug/l	99
52) Toluene	10.170	92	126332	20.039	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	63920	20.631	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	75477	20.519	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	37220	21.487	ug/l	97
56) Ethyl methacrylate	10.438	69	45831	20.746	ug/l	98
57) 1,3-Dichloropropane	10.713	76	63516	21.157	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	105830	103.775	ug/l	99
59) 2-Hexanone	10.762	43	107682	108.367	ug/l	100
60) Dibromochloromethane	10.908	129	51073	21.507	ug/l	99
61) 1,2-Dibromoethane	11.011	107	34033	20.818	ug/l	100
64) Tetrachloroethene	10.646	164	54815	23.414	ug/l	99
65) Chlorobenzene	11.438	112	137479	20.221	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	49435	20.566	ug/l	99
67) Ethyl Benzene	11.517	91	237813	19.929	ug/l	99
68) m/p-Xylenes	11.627	106	179111	39.535	ug/l	98
69) o-Xylene	11.956	106	84498	20.237	ug/l	99
70) Styrene	11.969	104	142260	20.537	ug/l	99
71) Bromoform	12.133	173	29573	22.009	ug/l #	98
73) Isopropylbenzene	12.255	105	226324	18.948	ug/l	100
74) N-amyl acetate	12.072	43	53535	20.637	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	43780	20.770	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	30692m	20.086	ug/l	
77) Bromobenzene	12.529	156	55247	19.770	ug/l	97
78) n-propylbenzene	12.597	91	277413	19.123	ug/l	100
79) 2-Chlorotoluene	12.676	91	161860	19.514	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	187648	19.331	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12514	18.618	ug/l	99
82) 4-Chlorotoluene	12.779	91	169565	19.741	ug/l	98
83) tert-Butylbenzene	12.999	119	168538	19.463	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	188618	19.571	ug/l	100
85) sec-Butylbenzene	13.176	105	249333	19.352	ug/l	99
86) p-Isopropyltoluene	13.292	119	207974	19.593	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	110625	19.888	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	107732	19.804	ug/l	98
89) n-Butylbenzene	13.615	91	191014	19.488	ug/l	99
90) Hexachloroethane	13.877	117	44517	19.659	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	97462	20.443	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6762	21.416	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	56283	21.614	ug/l	98
94) Hexachlorobutadiene	15.023	225	35306	21.629	ug/l	99
95) Naphthalene	15.145	128	90637	22.578	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	47211	21.556	ug/l	97

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

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