

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
 Data File : VY021409.D
 Acq On : 05 Mar 2025 13:45
 Operator : SY/MD
 Sample : VY0305SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 03/06/2025
 Supervised By : Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 06 02:55:51 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	219622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	157165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	128248	55.249	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.500%			
35) Dibromofluoromethane	7.634	113	120748	52.408	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.820%			
50) Toluene-d8	10.103	98	458096	52.512	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.020%			
62) 4-Bromofluorobenzene	12.408	95	155017	52.239	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	36464	18.093	ug/l	100
3) Chloromethane	2.068	50	55939	19.687	ug/l	98
4) Vinyl Chloride	2.202	62	62394	20.094	ug/l	98
5) Bromomethane	2.586	94	44573	19.861	ug/l	95
6) Chloroethane	2.732	64	41393	20.172	ug/l	95
7) Trichlorofluoromethane	3.056	101	81310	18.761	ug/l	100
8) Diethyl Ether	3.458	74	23250	19.357	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	44849	18.125	ug/l	99
10) Methyl Iodide	4.007	142	44233	17.585	ug/l	98
11) Tert butyl alcohol	4.854	59	18872	112.664	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	41641	18.458	ug/l	97
13) Acrolein	3.653	56	21168	179.285	ug/l	86
14) Allyl chloride	4.379	41	67344	18.472	ug/l	99
15) Acrylonitrile	5.055	53	50655	99.073	ug/l	99
16) Acetone	3.873	43	41021	81.023	ug/l	90
17) Carbon Disulfide	4.098	76	129057	18.254	ug/l	100
18) Methyl Acetate	4.385	43	22955	20.434	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	108627	18.997	ug/l	97
20) Methylene Chloride	4.616	84	51510	19.382	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	46204	18.288	ug/l	96
22) Diisopropyl ether	6.018	45	151452	19.276	ug/l	95
23) Vinyl Acetate	5.957	43	428924	95.655	ug/l	100
24) 1,1-Dichloroethane	5.915	63	88705	19.129	ug/l	98
25) 2-Butanone	6.896	43	63208	90.252	ug/l	100
26) 2,2-Dichloropropane	6.878	77	74290	17.411	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	53000	18.466	ug/l	99
28) Bromochloromethane	7.244	49	39492	20.314	ug/l	99
29) Tetrahydrofuran	7.262	42	42647	98.637	ug/l	99
30) Chloroform	7.421	83	91256	18.951	ug/l	97
31) Cyclohexane	7.701	56	75774	17.430	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	80271	18.206	ug/l	99
36) 1,1-Dichloropropene	7.829	75	64551	17.898	ug/l	99
37) Ethyl Acetate	6.982	43	28849	18.098	ug/l	98
38) Carbon Tetrachloride	7.817	117	73590	17.742	ug/l	95
39) Methylcyclohexane	9.109	83	74570	16.857	ug/l	98
40) Benzene	8.079	78	196219	18.469	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	15389m	17.730	ug/l	
42) 1,2-Dichloroethane	8.152	62	57208	19.248	ug/l	99
43) Isopropyl Acetate	8.195	43	56545	18.273	ug/l #	85
44) Trichloroethene	8.859	130	48014	17.885	ug/l	93
45) 1,2-Dichloropropane	9.140	63	46681	18.462	ug/l	94
46) Dibromomethane	9.231	93	26764	19.024	ug/l	98
47) Bromodichloromethane	9.420	83	68827	18.421	ug/l	100
48) Methyl methacrylate	9.219	41	25720	18.101	ug/l	100
49) 1,4-Dioxane	9.225	88	5971	432.398	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	152608	95.582	ug/l	100
52) Toluene	10.170	92	121847	18.192	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	61521	18.690	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	71042	18.178	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	35259	19.159	ug/l	99
56) Ethyl methacrylate	10.438	69	42706	18.195	ug/l	99
57) 1,3-Dichloropropane	10.719	76	59707	18.719	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	111962	103.336	ug/l	100
59) 2-Hexanone	10.762	43	99995	94.717	ug/l	96
60) Dibromochloromethane	10.908	129	46676	18.500	ug/l	100
61) 1,2-Dibromoethane	11.018	107	32873	18.926	ug/l	100
64) Tetrachloroethene	10.646	164	45794	18.096	ug/l	96
65) Chlorobenzene	11.438	112	131833	17.939	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.511	131	47843	18.413	ug/l	98
67) Ethyl Benzene	11.517	91	225293	17.466	ug/l	100
68) m/p-Xylenes	11.627	106	172873	35.300	ug/l	99
69) o-Xylene	11.950	106	79329	17.576	ug/l	99
70) Styrene	11.969	104	136324	18.207	ug/l	99
71) Bromoform	12.133	173	26835	18.475	ug/l #	98
73) Isopropylbenzene	12.255	105	212772	17.186	ug/l	100
74) N-amyl acetate	12.072	43	48593	18.073	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	40337	18.463	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	29137m	18.398	ug/l	
77) Bromobenzene	12.529	156	51103	17.644	ug/l	100
78) n-propylbenzene	12.597	91	260508	17.326	ug/l	100
79) 2-Chlorotoluene	12.682	91	151725	17.648	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	175683	17.462	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11980	17.196	ug/l	97
82) 4-Chlorotoluene	12.779	91	156301	17.557	ug/l	100
83) tert-Butylbenzene	12.999	119	156396	17.425	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	176990	17.718	ug/l	100
85) sec-Butylbenzene	13.176	105	227920	17.068	ug/l	99
86) p-Isopropyltoluene	13.292	119	190282	17.296	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	101377	17.584	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	98520	17.473	ug/l	98
89) n-Butylbenzene	13.621	91	172740	17.004	ug/l	100
90) Hexachloroethane	13.877	117	41250	17.576	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	87726	17.753	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6358	19.428	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	47398	17.561	ug/l	99
94) Hexachlorobutadiene	15.023	225	30076	17.777	ug/l	98
95) Naphthalene	15.145	128	76650	18.823	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	40264	17.737	ug/l	99

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

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