

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
 Data File : VY021077.D
 Acq On : 05 Feb 2025 10:43
 Operator : SY/MD
 Sample : VY0205SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/06/2025
 Supervised By :Semsettin Yesilyurt 02/06/2025

Quant Time: Feb 06 00:26:02 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

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	145516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	228623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	198285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	98921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	74796	50.167	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.340%			
35) Dibromofluoromethane	7.640	113	70151	47.879	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.760%			
50) Toluene-d8	10.109	98	271791	48.726	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.460%			
62) 4-Bromofluorobenzene	12.414	95	88844	48.754	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	26018	20.061	ug/l	97
3) Chloromethane	2.074	50	25070	19.589	ug/l	97
4) Vinyl Chloride	2.208	62	26344	20.451	ug/l	97
5) Bromomethane	2.598	94	16075	20.190	ug/l	94
6) Chloroethane	2.745	64	15802	20.607	ug/l	99
7) Trichlorofluoromethane	3.068	101	46297	19.728	ug/l	96
8) Diethyl Ether	3.464	74	14778	20.171	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.830	101	29775	20.215	ug/l	95
10) Methyl Iodide	4.013	142	30299	18.516	ug/l	90
11) Tert butyl alcohol	4.885	59	10937	108.251	ug/l	99
12) 1,1-Dichloroethene	3.799	96	27488	19.812	ug/l	98
13) Acrolein	3.659	56	15892	102.147	ug/l	95
14) Allyl chloride	4.391	41	47873	20.473	ug/l	96
15) Acrylonitrile	5.073	53	32058	105.082	ug/l	99
16) Acetone	3.879	43	24532	105.511	ug/l	96
17) Carbon Disulfide	4.116	76	80266	18.449	ug/l	99
18) Methyl Acetate	4.391	43	16529	20.251	ug/l	93
19) Methyl tert-butyl Ether	5.128	73	72776	20.752	ug/l	98
20) Methylene Chloride	4.628	84	29653	20.516	ug/l	91
21) trans-1,2-Dichloroethene	5.128	96	30915	20.242	ug/l	92
22) Diisopropyl ether	6.025	45	104643	21.711	ug/l	96
23) Vinyl Acetate	5.970	43	284142	105.751	ug/l	100
24) 1,1-Dichloroethane	5.921	63	58579	20.744	ug/l	99
25) 2-Butanone	6.902	43	41797	109.396	ug/l	97
26) 2,2-Dichloropropane	6.896	77	54094	20.703	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	36008	20.483	ug/l	93
28) Bromochloromethane	7.250	49	24487	21.929	ug/l #	14
29) Tetrahydrofuran	7.274	42	27043	104.601	ug/l	95
30) Chloroform	7.427	83	60947	21.012	ug/l	95
31) Cyclohexane	7.707	56	51012	20.060	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	56194	20.838	ug/l	98
36) 1,1-Dichloropropene	7.841	75	43293	19.949	ug/l	100
37) Ethyl Acetate	6.988	43	20344	21.369	ug/l #	80
38) Carbon Tetrachloride	7.823	117	51208	20.194	ug/l	96
39) Methylcyclohexane	9.115	83	51364	19.350	ug/l	99
40) Benzene	8.085	78	129591	20.348	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	9361	16.996	ug/l #	84
42) 1,2-Dichloroethane	8.164	62	36743	20.798	ug/l	98
43) Isopropyl Acetate	8.201	43	39368	20.811	ug/l #	84
44) Trichloroethene	8.872	130	33217	20.188	ug/l	97
45) 1,2-Dichloropropane	9.146	63	31196	20.638	ug/l	96
46) Dibromomethane	9.237	93	17069	20.394	ug/l	96
47) Bromodichloromethane	9.426	83	47399	21.117	ug/l	96
48) Methyl methacrylate	9.225	41	18131	21.041	ug/l	92
49) 1,4-Dioxane	9.237	88	3565	457.559	ug/l	99
51) 4-Methyl-2-Pentanone	10.006	43	101175	106.356	ug/l	96
52) Toluene	10.176	92	81896	20.480	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	41704	20.692	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	48750	20.428	ug/l	94
55) 1,1,2-Trichloroethane	10.579	97	23081	21.296	ug/l	98
56) Ethyl methacrylate	10.444	69	29345	20.240	ug/l	88
57) 1,3-Dichloropropane	10.725	76	39545	21.080	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	70865	102.737	ug/l	100
59) 2-Hexanone	10.768	43	66250	108.165	ug/l	93
60) Dibromochloromethane	10.914	129	31544	20.725	ug/l	98
61) 1,2-Dibromoethane	11.018	107	20677	20.368	ug/l	99
64) Tetrachloroethene	10.652	164	29164	19.813	ug/l	96
65) Chlorobenzene	11.450	112	88933	20.143	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	32488	20.706	ug/l	98
67) Ethyl Benzene	11.524	91	157627	20.185	ug/l	99
68) m/p-Xylenes	11.633	106	120912	41.388	ug/l	99
69) o-Xylene	11.962	106	56146	20.614	ug/l	98
70) Styrene	11.975	104	93138	20.517	ug/l	98
71) Bromoform	12.139	173	17790	20.370	ug/l #	95
73) Isopropylbenzene	12.261	105	151514	19.608	ug/l	98
74) N-amyl acetate	12.078	43	33528	19.846	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	25824	20.095	ug/l	97
76) 1,2,3-Trichloropropane	12.566	75	18442m	20.552	ug/l	
77) Bromobenzene	12.536	156	34219	19.190	ug/l	95
78) n-propylbenzene	12.603	91	182872	19.867	ug/l	99
79) 2-Chlorotoluene	12.682	91	104902	19.898	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	124264	19.835	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	8723	19.835	ug/l	97
82) 4-Chlorotoluene	12.786	91	106008	19.736	ug/l	98
83) tert-Butylbenzene	13.005	119	114588	20.123	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	124730	20.362	ug/l	99
85) sec-Butylbenzene	13.182	105	163154	19.904	ug/l	98
86) p-Isopropyltoluene	13.298	119	136424	20.035	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	69035	20.051	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	68315	20.152	ug/l	98
89) n-Butylbenzene	13.621	91	126939	20.435	ug/l	98
90) Hexachloroethane	13.889	117	28946	20.377	ug/l	86
91) 1,2-Dichlorobenzene	13.663	146	60169	20.134	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3809	19.834	ug/l	92
93) 1,2,4-Trichlorobenzene	14.925	180	32374	19.462	ug/l	97
94) Hexachlorobutadiene	15.029	225	21292	19.316	ug/l	98
95) Naphthalene	15.151	128	51699	19.427	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	27467	19.842	ug/l	99

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

