

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021125\
 Data File : VY021166.D
 Acq On : 11 Feb 2025 11:25
 Operator : SY/MD
 Sample : VY0211SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0211SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 01:00:24 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	7.720	168	142140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	218663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	187366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	94302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	70970	48.732	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.460%		
35) Dibromofluoromethane	7.640	113	65836	46.981	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.960%		
50) Toluene-d8	10.115	98	258480	48.450	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.900%		
62) 4-Bromofluorobenzene	12.414	95	85152	48.856	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	22005	17.370	ug/l	99
3) Chloromethane	2.074	50	18801	15.039	ug/l	94
4) Vinyl Chloride	2.214	62	19474	15.477	ug/l	99
5) Bromomethane	2.605	94	12160	15.636	ug/l	92
6) Chloroethane	2.745	64	12365	16.508	ug/l	96
7) Trichlorofluoromethane	3.068	101	41080	17.920	ug/l	99
8) Diethyl Ether	3.458	74	12469	17.424	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.830	101	27540	19.142	ug/l	95
10) Methyl Iodide	4.013	142	23791	14.884	ug/l	93
11) Tert butyl alcohol	4.866	59	10345	104.824	ug/l #	94
12) 1,1-Dichloroethene	3.799	96	23029	16.992	ug/l	90
13) Acrolein	3.659	56	11850	77.976	ug/l	98
14) Allyl chloride	4.397	41	40688	17.813	ug/l	93
15) Acrylonitrile	5.068	53	28966	97.202	ug/l	99
16) Acetone	3.879	43	22045	97.066	ug/l	95
17) Carbon Disulfide	4.117	76	52011	12.239	ug/l	98
18) Methyl Acetate	4.397	43	15113	18.956	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	66150	19.311	ug/l	96
20) Methylene Chloride	4.629	84	25578	18.117	ug/l #	87
21) trans-1,2-Dichloroethene	5.129	96	24972	16.739	ug/l	95
22) Diisopropyl ether	6.025	45	93108	19.776	ug/l	94
23) Vinyl Acetate	5.970	43	250885	95.592	ug/l	99
24) 1,1-Dichloroethane	5.927	63	52573	19.059	ug/l	98
25) 2-Butanone	6.903	43	37193	99.658	ug/l	94
26) 2,2-Dichloropropane	6.896	77	51788	20.291	ug/l	96
27) cis-1,2-Dichloroethene	6.903	96	31938	18.600	ug/l	93
28) Bromochloromethane	7.256	49	20801	19.071	ug/l	96
29) Tetrahydrofuran	7.268	42	24371	96.505	ug/l	94
30) Chloroform	7.427	83	56545	19.957	ug/l	96
31) Cyclohexane	7.713	56	42191	16.985	ug/l #	95
32) 1,1,1-Trichloroethane	7.622	97	52756	20.027	ug/l	99
36) 1,1-Dichloropropene	7.841	75	37669	18.148	ug/l	99
37) Ethyl Acetate	6.994	43	17119	18.801	ug/l	99
38) Carbon Tetrachloride	7.823	117	48535	20.012	ug/l	97
39) Methylcyclohexane	9.116	83	44206	17.412	ug/l	98
40) Benzene	8.085	78	113971	18.711	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	8094	15.365	ug/l #	81
42) 1,2-Dichloroethane	8.165	62	33293	19.703	ug/l	97
43) Isopropyl Acetate	8.201	43	35841	19.809	ug/l #	85
44) Trichloroethene	8.872	130	28436	18.069	ug/l	97
45) 1,2-Dichloropropane	9.146	63	28236	19.530	ug/l	96
46) Dibromomethane	9.238	93	14937	18.660	ug/l	96
47) Bromodichloromethane	9.427	83	43721	20.365	ug/l	98
48) Methyl methacrylate	9.231	41	15715	19.068	ug/l	92
49) 1,4-Dioxane	9.231	88	3130	420.027	ug/l	96
51) 4-Methyl-2-Pentanone	10.006	43	92153	101.285	ug/l	95
52) Toluene	10.176	92	74728	19.538	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	37469	19.437	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	44792	19.625	ug/l	93
55) 1,1,2-Trichloroethane	10.579	97	20604	19.877	ug/l	98
56) Ethyl methacrylate	10.445	69	26214	18.904	ug/l	88
57) 1,3-Dichloropropane	10.725	76	35795	19.951	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	58063	88.011	ug/l	99
59) 2-Hexanone	10.768	43	58291	99.505	ug/l	96
60) Dibromochloromethane	10.920	129	29281	20.114	ug/l	99
61) 1,2-Dibromoethane	11.024	107	18003	18.542	ug/l	97
64) Tetrachloroethene	10.652	164	26059	18.735	ug/l	97
65) Chlorobenzene	11.451	112	80640	19.329	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	30876	20.825	ug/l	97
67) Ethyl Benzene	11.524	91	143518	19.449	ug/l	98
68) m/p-Xylenes	11.633	106	107776	39.041	ug/l	95
69) o-Xylene	11.963	106	51541	20.026	ug/l	99
70) Styrene	11.975	104	86949	20.269	ug/l	97
71) Bromoform	12.139	173	16678	20.209	ug/l #	99
73) Isopropylbenzene	12.261	105	140522	19.076	ug/l	98
74) N-amyl acetate	12.078	43	30288	18.807	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	24453	19.960	ug/l	95
76) 1,2,3-Trichloropropane	12.560	75	17114m	20.006	ug/l	
77) Bromobenzene	12.536	156	31555	18.563	ug/l	94
78) n-propylbenzene	12.603	91	174037	19.833	ug/l	99
79) 2-Chlorotoluene	12.688	91	97573	19.414	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	115506	19.340	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	8150	19.440	ug/l	96
82) 4-Chlorotoluene	12.786	91	100817	19.689	ug/l	99
83) tert-Butylbenzene	13.005	119	107992	19.893	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	114212	19.558	ug/l	99
85) sec-Butylbenzene	13.182	105	156315	20.004	ug/l	98
86) p-Isopropyltoluene	13.298	119	129201	19.904	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	62764	19.122	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	62444	19.322	ug/l	98
89) n-Butylbenzene	13.621	91	119621	20.200	ug/l	98
90) Hexachloroethane	13.883	117	26358	19.464	ug/l	84
91) 1,2-Dichlorobenzene	13.664	146	55296	19.410	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3629	19.822	ug/l	90
93) 1,2,4-Trichlorobenzene	14.926	180	29002	18.289	ug/l	96
94) Hexachlorobutadiene	15.029	225	20831	19.823	ug/l	98
95) Naphthalene	15.151	128	46122	18.180	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	24434	18.515	ug/l	97

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

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