

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021105.D
 Acq On : 06 Feb 2025 11:14
 Operator : SY/MD
 Sample : VY0206SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025

Quant Time: Feb 07 02:28:12 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	224044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	349523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	297101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	143862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	117605	51.233	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.460%			
35) Dibromofluoromethane	7.640	113	113303	50.582	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.160%			
50) Toluene-d8	10.109	98	432900	50.764	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.520%			
62) 4-Bromofluorobenzene	12.414	95	146660	52.642	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	35111	17.583	ug/l	95
3) Chloromethane	2.074	50	35151	17.839	ug/l	98
4) Vinyl Chloride	2.208	62	38601	19.463	ug/l	98
5) Bromomethane	2.598	94	24124	19.680	ug/l	99
6) Chloroethane	2.738	64	23888	20.233	ug/l	99
7) Trichlorofluoromethane	3.068	101	70838	19.605	ug/l	97
8) Diethyl Ether	3.458	74	22616	20.050	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	44165	19.475	ug/l	96
10) Methyl Iodide	4.013	142	46062	18.283	ug/l	94
11) Tert butyl alcohol	4.872	59	16587	106.630	ug/l #	85
12) 1,1-Dichloroethene	3.799	96	40124	18.783	ug/l	95
13) Acrolein	3.659	56	24271	101.324	ug/l	98
14) Allyl chloride	4.391	41	68356	18.986	ug/l	97
15) Acrylonitrile	5.067	53	45937	97.798	ug/l	96
16) Acetone	3.879	43	35711	99.757	ug/l	93
17) Carbon Disulfide	4.116	76	111422	16.634	ug/l	99
18) Methyl Acetate	4.397	43	25015	19.906	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	108323	20.062	ug/l	99
20) Methylene Chloride	4.628	84	42646	19.163	ug/l	94
21) trans-1,2-Dichloroethene	5.128	96	44866	19.080	ug/l	97
22) Diisopropyl ether	6.024	45	148494	20.010	ug/l	96
23) Vinyl Acetate	5.970	43	411400	99.447	ug/l	99
24) 1,1-Dichloroethane	5.921	63	84072	19.337	ug/l	96
25) 2-Butanone	6.902	43	59599	101.314	ug/l	98
26) 2,2-Dichloropropane	6.896	77	77379	19.234	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	52332	19.335	ug/l	95
28) Bromochloromethane	7.256	49	34374	19.994	ug/l	97
29) Tetrahydrofuran	7.274	42	39918	100.283	ug/l	98
30) Chloroform	7.427	83	87514	19.596	ug/l	98
31) Cyclohexane	7.713	56	72540	18.527	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	80441	19.374	ug/l	100
36) 1,1-Dichloropropene	7.841	75	62115	18.722	ug/l	99
37) Ethyl Acetate	7.000	43	29192	20.057	ug/l	100
38) Carbon Tetrachloride	7.823	117	72676	18.747	ug/l	99
39) Methylcyclohexane	9.115	83	76777	18.919	ug/l	96
40) Benzene	8.085	78	187118	19.218	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	15899	18.881	ug/l	99
42) 1,2-Dichloroethane	8.164	62	52256	19.347	ug/l	98
43) Isopropyl Acetate	8.201	43	57448	19.864	ug/l #	87
44) Trichloroethene	8.872	130	47357	18.826	ug/l	98
45) 1,2-Dichloropropane	9.146	63	44565	19.284	ug/l	99
46) Dibromomethane	9.237	93	24458	19.115	ug/l	94
47) Bromodichloromethane	9.432	83	65169	18.991	ug/l	95
48) Methyl methacrylate	9.225	41	25814	19.595	ug/l	97
49) 1,4-Dioxane	9.237	88	5188	435.544	ug/l	92
51) 4-Methyl-2-Pentanone	10.005	43	148278	101.956	ug/l	97
52) Toluene	10.176	92	116685	19.086	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	61179	19.855	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	71481	19.592	ug/l	95
55) 1,1,2-Trichloroethane	10.579	97	33240	20.061	ug/l	99
56) Ethyl methacrylate	10.444	69	43622	19.680	ug/l	92
57) 1,3-Dichloropropane	10.725	76	56787	19.801	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	106437	100.933	ug/l	99
59) 2-Hexanone	10.768	43	96117	102.646	ug/l	97
60) Dibromochloromethane	10.914	129	45053	19.362	ug/l	100
61) 1,2-Dibromoethane	11.017	107	30641	19.743	ug/l	100
64) Tetrachloroethene	10.652	164	42996	19.495	ug/l	95
65) Chlorobenzene	11.444	112	129022	19.503	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.523	131	46003	19.568	ug/l	97
67) Ethyl Benzene	11.523	91	226424	19.351	ug/l	99
68) m/p-Xylenes	11.633	106	172725	39.459	ug/l	99
69) o-Xylene	11.962	106	81802	20.044	ug/l	99
70) Styrene	11.975	104	135257	19.885	ug/l	98
71) Bromoform	12.139	173	27206	20.790	ug/l #	98
73) Isopropylbenzene	12.261	105	216789	19.291	ug/l	99
74) N-amyl acetate	12.078	43	48001	19.537	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	37575	20.105	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	23093m	17.696	ug/l	
77) Bromobenzene	12.536	156	50169	19.346	ug/l	96
78) n-propylbenzene	12.603	91	263404	19.677	ug/l	99
79) 2-Chlorotoluene	12.688	91	150834	19.673	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	176797	19.404	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	12323	19.268	ug/l	93
82) 4-Chlorotoluene	12.785	91	155454	19.900	ug/l	100
83) tert-Butylbenzene	13.005	119	163551	19.749	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	176344	19.795	ug/l	99
85) sec-Butylbenzene	13.182	105	236471	19.836	ug/l	98
86) p-Isopropyltoluene	13.298	119	197813	19.976	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	98093	19.590	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	96813	19.637	ug/l	98
89) n-Butylbenzene	13.621	91	180447	19.974	ug/l	99
90) Hexachloroethane	13.889	117	39118	18.935	ug/l	82
91) 1,2-Dichlorobenzene	13.663	146	86722	19.954	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5480	19.621	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	48829	20.185	ug/l	99
94) Hexachlorobutadiene	15.029	225	31807	19.841	ug/l	99
95) Naphthalene	15.151	128	82257	21.254	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	40694	20.214	ug/l	98

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

