

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021325\
 Data File : VY021188.D
 Acq On : 13 Feb 2025 11:07
 Operator : SY/MD
 Sample : VY0213SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/14/2025
 Supervised By :Mahesh Dadoda 02/14/2025

Quant Time: Feb 14 00:39:33 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	7.713	168	124639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	198500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	171518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	84976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	66682	52.217	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.440%			
35) Dibromofluoromethane	7.640	113	62624	49.228	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.460%			
50) Toluene-d8	10.109	98	235201	48.565	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.120%			
62) 4-Bromofluorobenzene	12.408	95	79879	50.486	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	19725	17.756	ug/l	91
3) Chloromethane	2.074	50	18621	16.987	ug/l	100
4) Vinyl Chloride	2.208	62	18731	16.976	ug/l	98
5) Bromomethane	2.592	94	11805	17.311	ug/l	99
6) Chloroethane	2.739	64	12444	18.946	ug/l	97
7) Trichlorofluoromethane	3.062	101	39164	19.483	ug/l	94
8) Diethyl Ether	3.458	74	13546	21.587	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	26234	20.794	ug/l	96
10) Methyl Iodide	4.013	142	24997	17.835	ug/l	92
11) Tert butyl alcohol	4.866	59	10575	122.200	ug/l #	94
12) 1,1-Dichloroethene	3.793	96	21474	18.070	ug/l	92
13) Acrolein	3.659	56	12424	93.232	ug/l	99
14) Allyl chloride	4.397	41	42311	21.125	ug/l	96
15) Acrylonitrile	5.067	53	32820	125.599	ug/l	98
16) Acetone	3.879	43	24907	125.067	ug/l	93
17) Carbon Disulfide	4.110	76	44876	12.042	ug/l	98
18) Methyl Acetate	4.391	43	17148	24.529	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	72584	24.165	ug/l	100
20) Methylene Chloride	4.622	84	26600	21.486	ug/l	90
21) trans-1,2-Dichloroethene	5.122	96	25140	19.218	ug/l	92
22) Diisopropyl ether	6.025	45	101088	24.486	ug/l	95
23) Vinyl Acetate	5.964	43	276749	120.252	ug/l	98
24) 1,1-Dichloroethane	5.921	63	54836	22.671	ug/l	98
25) 2-Butanone	6.896	43	42403	129.571	ug/l	96
26) 2,2-Dichloropropane	6.896	77	50538	22.581	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	33248	22.081	ug/l	92
28) Bromochloromethane	7.250	49	21184	22.149	ug/l	96
29) Tetrahydrofuran	7.268	42	28400	128.250	ug/l	93
30) Chloroform	7.427	83	59131	23.801	ug/l	96
31) Cyclohexane	7.707	56	38211	17.543	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	52597	22.771	ug/l	98
36) 1,1-Dichloropropene	7.841	75	36403	19.320	ug/l	98
37) Ethyl Acetate	6.988	43	21043	25.457	ug/l	95
38) Carbon Tetrachloride	7.823	117	46278	21.020	ug/l	97
39) Methylcyclohexane	9.109	83	39952	17.334	ug/l	95
40) Benzene	8.085	78	117194	21.194	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	12211	25.535	ug/l	94
42) 1,2-Dichloroethane	8.158	62	35952	23.438	ug/l	96
43) Isopropyl Acetate	8.201	43	40509	24.664	ug/l #	82
44) Trichloroethene	8.872	130	28972	20.280	ug/l	92
45) 1,2-Dichloropropane	9.146	63	30378	23.146	ug/l	98
46) Dibromomethane	9.237	93	16317	22.454	ug/l	98
47) Bromodichloromethane	9.426	83	46970	24.101	ug/l	98
48) Methyl methacrylate	9.225	41	18017	24.082	ug/l	92
49) 1,4-Dioxane	9.231	88	3593	531.135	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	107146	129.726	ug/l	95
52) Toluene	10.176	92	74437	21.439	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	41403	23.660	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	47342	22.849	ug/l	92
55) 1,1,2-Trichloroethane	10.579	97	23280	24.740	ug/l	98
56) Ethyl methacrylate	10.445	69	30019	23.846	ug/l #	89
57) 1,3-Dichloropropane	10.719	76	39314	24.138	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	59111	98.701	ug/l	98
59) 2-Hexanone	10.762	43	69242	130.205	ug/l	96
60) Dibromochloromethane	10.914	129	31327	23.706	ug/l	99
61) 1,2-Dibromoethane	11.018	107	20090	22.793	ug/l	99
64) Tetrachloroethene	10.652	164	25423	19.967	ug/l	97
65) Chlorobenzene	11.444	112	85052	22.270	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	32537	23.973	ug/l	97
67) Ethyl Benzene	11.524	91	147485	21.833	ug/l	99
68) m/p-Xylenes	11.633	106	111939	44.296	ug/l	97
69) o-Xylene	11.957	106	53596	22.748	ug/l	99
70) Styrene	11.975	104	92325	23.511	ug/l	98
71) Bromoform	12.133	173	18746	24.814	ug/l #	95
73) Isopropylbenzene	12.255	105	146398	22.055	ug/l	100
74) N-amyl acetate	12.072	43	36433	25.105	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	26679	24.167	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	17949m	23.285	ug/l	
77) Bromobenzene	12.536	156	33859	22.104	ug/l	96
78) n-propylbenzene	12.597	91	175744	22.226	ug/l	99
79) 2-Chlorotoluene	12.682	91	102600	22.655	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	123336	22.917	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	8935	23.652	ug/l	94
82) 4-Chlorotoluene	12.780	91	105475	22.859	ug/l	100
83) tert-Butylbenzene	12.999	119	110484	22.586	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	121820	23.150	ug/l	100
85) sec-Butylbenzene	13.176	105	158614	22.525	ug/l	98
86) p-Isopropyltoluene	13.298	119	133351	22.798	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	69066	23.352	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	66964	22.995	ug/l	97
89) n-Butylbenzene	13.621	91	122393	22.937	ug/l	98
90) Hexachloroethane	13.883	117	28605	23.442	ug/l	90
91) 1,2-Dichlorobenzene	13.664	146	60438	23.543	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4256	25.799	ug/l	95
93) 1,2,4-Trichlorobenzene	14.925	180	34013	23.803	ug/l	99
94) Hexachlorobutadiene	15.029	225	22272	23.521	ug/l	100
95) Naphthalene	15.151	128	57383	25.101	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	28983	24.373	ug/l	97

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

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