

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021025\
 Data File : VY021151.D
 Acq On : 10 Feb 2025 11:52
 Operator : SY/MD
 Sample : VY0210SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0210SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
 Supervised By :Semsettin Yesilyurt 02/11/2025

Quant Time: Feb 11 00:27:51 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	152570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	233039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	198031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	96447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	76043	48.646	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.300%		
35) Dibromofluoromethane	7.640	113	72329	48.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.860%		
50) Toluene-d8	10.115	98	278597	48.999	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.000%		
62) 4-Bromofluorobenzene	12.413	95	93032	50.084	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.160%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.873	85	22873	16.821	ug/l	96
3) Chloromethane	2.080	50	20428	15.224	ug/l	97
4) Vinyl Chloride	2.214	62	20143	14.914	ug/l	96
5) Bromomethane	2.604	94	12960	15.525	ug/l	97
6) Chloroethane	2.744	64	12793	15.912	ug/l	97
7) Trichlorofluoromethane	3.074	101	43150	17.536	ug/l	96
8) Diethyl Ether	3.464	74	13624	17.736	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.823	101	28402	18.391	ug/l	94
10) Methyl Iodide	4.019	142	26905	15.682	ug/l	90
11) Tert butyl alcohol	4.866	59	9945	93.882	ug/l	96
12) 1,1-Dichloroethene	3.799	96	25499	17.528	ug/l	91
13) Acrolein	3.665	56	12634	77.451	ug/l	97
14) Allyl chloride	4.396	41	44125	17.998	ug/l	94
15) Acrylonitrile	5.073	53	29842	93.295	ug/l	96
16) Acetone	3.878	43	25349	103.984	ug/l #	87
17) Carbon Disulfide	4.122	76	56057	12.289	ug/l	99
18) Methyl Acetate	4.403	43	15772	18.430	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	70415	19.151	ug/l	98
20) Methylene Chloride	4.628	84	27587	18.204	ug/l	95
21) trans-1,2-Dichloroethene	5.128	96	27050	16.893	ug/l	93
22) Diisopropyl ether	6.030	45	101147	20.015	ug/l	98
23) Vinyl Acetate	5.975	43	267443	94.934	ug/l	99
24) 1,1-Dichloroethane	5.927	63	57818	19.528	ug/l	98
25) 2-Butanone	6.908	43	38446	95.973	ug/l	100
26) 2,2-Dichloropropane	6.896	77	54581	19.923	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	34496	18.716	ug/l	91
28) Bromochloromethane	7.250	49	21578	18.431	ug/l	100
29) Tetrahydrofuran	7.268	42	25523	94.158	ug/l	95
30) Chloroform	7.433	83	59740	19.644	ug/l	99
31) Cyclohexane	7.713	56	44938	16.854	ug/l #	94
32) 1,1,1-Trichloroethane	7.628	97	55321	19.566	ug/l	100
36) 1,1-Dichloropropene	7.847	75	40460	18.290	ug/l	99
37) Ethyl Acetate	7.000	43	18760	19.332	ug/l	99
38) Carbon Tetrachloride	7.829	117	49722	19.237	ug/l	99
39) Methylcyclohexane	9.115	83	46412	17.153	ug/l	97
40) Benzene	8.091	78	123752	19.063	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	11069	19.716	ug/l	93
42) 1,2-Dichloroethane	8.170	62	35434	19.677	ug/l	96
43) Isopropyl Acetate	8.207	43	37221	19.303	ug/l #	85
44) Trichloroethene	8.871	130	32022	19.093	ug/l	96
45) 1,2-Dichloropropane	9.146	63	29710	19.282	ug/l	96
46) Dibromomethane	9.237	93	15735	18.444	ug/l	93
47) Bromodichloromethane	9.432	83	46280	20.227	ug/l	99
48) Methyl methacrylate	9.231	41	16256	18.508	ug/l	94
49) 1,4-Dioxane	9.243	88	3212	404.441	ug/l	89
51) 4-Methyl-2-Pentanone	10.005	43	93225	96.142	ug/l	97
52) Toluene	10.182	92	78945	19.368	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	40608	19.766	ug/l	98
54) cis-1,3-Dichloropropene	9.865	75	47566	19.554	ug/l	92
55) 1,1,2-Trichloroethane	10.578	97	21498	19.460	ug/l	96
56) Ethyl methacrylate	10.450	69	27584	18.665	ug/l	90
57) 1,3-Dichloropropane	10.725	76	38474	20.121	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	64289	91.437	ug/l	99
59) 2-Hexanone	10.767	43	60592	97.052	ug/l	96
60) Dibromochloromethane	10.920	129	30598	19.723	ug/l	98
61) 1,2-Dibromoethane	11.023	107	19576	18.918	ug/l	100
64) Tetrachloroethene	10.651	164	27635	18.798	ug/l	95
65) Chlorobenzene	11.450	112	87909	19.936	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.523	131	32568	20.784	ug/l	96
67) Ethyl Benzene	11.529	91	154908	19.862	ug/l	100
68) m/p-Xylenes	11.639	106	115570	39.610	ug/l	94
69) o-Xylene	11.962	106	56002	20.587	ug/l	100
70) Styrene	11.980	104	92576	20.419	ug/l	98
71) Bromoform	12.139	173	17437	19.991	ug/l #	97
73) Isopropylbenzene	12.261	105	152412	20.230	ug/l	100
74) N-amyl acetate	12.078	43	31260	18.979	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	23939	19.106	ug/l	98
76) 1,2,3-Trichloropropane	12.566	75	16366m	18.706	ug/l	
77) Bromobenzene	12.541	156	33960	19.533	ug/l	94
78) n-propylbenzene	12.602	91	183492	20.446	ug/l	99
79) 2-Chlorotoluene	12.688	91	103363	20.109	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	125227	20.501	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	8082	18.849	ug/l	91
82) 4-Chlorotoluene	12.785	91	107261	20.481	ug/l	100
83) tert-Butylbenzene	13.005	119	112500	20.263	ug/l	96
84) 1,2,4-Trimethylbenzene	13.053	105	122982	20.592	ug/l	99
85) sec-Butylbenzene	13.181	105	166740	20.863	ug/l	98
86) p-Isopropyltoluene	13.297	119	138547	20.869	ug/l	99
87) 1,3-Dichlorobenzene	13.297	146	68009	20.259	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	68099	20.603	ug/l	99
89) n-Butylbenzene	13.627	91	125836	20.777	ug/l	99
90) Hexachloroethane	13.889	117	28527	20.597	ug/l	90
91) 1,2-Dichlorobenzene	13.669	146	58497	20.077	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	3411	18.217	ug/l	99
93) 1,2,4-Trichlorobenzene	14.931	180	32510	20.046	ug/l	98
94) Hexachlorobutadiene	15.029	225	22478	20.915	ug/l	98
95) Naphthalene	15.151	128	49813	19.198	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	26769	19.834	ug/l	99

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

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