

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021349.D
 Acq On : 27 Feb 2025 11:40
 Operator : SY/MD
 Sample : VY0227SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0227SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/28/2025
 Supervised By :Semsettin Yesilyurt 02/28/2025

Quant Time: Feb 28 00:40:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	198659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	310671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	272052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	137933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	101944	45.236	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.480%		
35) Dibromofluoromethane	7.634	113	92849	45.586	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.180%		
50) Toluene-d8	10.103	98	356688	45.313	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.620%		
62) 4-Bromofluorobenzene	12.402	95	119898	45.259	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	35262	18.721	ug/l	98
3) Chloromethane	2.068	50	44619	18.343	ug/l	97
4) Vinyl Chloride	2.202	62	44508	18.642	ug/l	99
5) Bromomethane	2.586	94	29567	18.635	ug/l	100
6) Chloroethane	2.733	64	29123	19.670	ug/l	98
7) Trichlorofluoromethane	3.056	101	70391	19.522	ug/l	99
8) Diethyl Ether	3.452	74	21878	20.216	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	42182	20.206	ug/l	98
10) Methyl Iodide	4.001	142	43590	19.847	ug/l	99
11) Tert butyl alcohol	4.848	59	16710m	96.398	ug/l	
12) 1,1-Dichloroethene	3.787	96	38944	19.483	ug/l	98
13) Acrolein	3.653	56	24700	185.946	ug/l	94
14) Allyl chloride	4.379	41	65599	18.510	ug/l	99
15) Acrylonitrile	5.055	53	47280	98.811	ug/l	99
16) Acetone	3.867	43	44126	102.074	ug/l	98
17) Carbon Disulfide	4.104	76	122176	18.407	ug/l	97
18) Methyl Acetate	4.385	43	20494	19.398	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	105075	19.896	ug/l	97
20) Methylene Chloride	4.616	84	48638	20.806	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	42797	19.449	ug/l	95
22) Diisopropyl ether	6.012	45	143925	19.625	ug/l	99
23) Vinyl Acetate	5.958	43	422766	96.470	ug/l	99
24) 1,1-Dichloroethane	5.915	63	79851	19.319	ug/l	97
25) 2-Butanone	6.890	43	65440	100.301	ug/l	93
26) 2,2-Dichloropropane	6.878	77	72271	19.269	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	49527	19.710	ug/l	98
28) Bromochloromethane	7.244	49	36677	20.054	ug/l	98
29) Tetrahydrofuran	7.256	42	42111	98.745	ug/l	99
30) Chloroform	7.415	83	83409	19.915	ug/l	96
31) Cyclohexane	7.695	56	72200	18.172	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	75049	19.686	ug/l	99
36) 1,1-Dichloropropene	7.835	75	59900	19.578	ug/l	99
37) Ethyl Acetate	6.982	43	29786	19.572	ug/l	98
38) Carbon Tetrachloride	7.817	117	68272	19.849	ug/l	99
39) Methylcyclohexane	9.109	83	74465	19.243	ug/l	96
40) Benzene	8.079	78	179474	19.844	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	15267	17.942	ug/l #	90
42) 1,2-Dichloroethane	8.158	62	52390	20.417	ug/l	99
43) Isopropyl Acetate	8.195	43	58264	19.779	ug/l	99
44) Trichloroethene	8.866	130	45194	19.959	ug/l	100
45) 1,2-Dichloropropane	9.140	63	42605	19.575	ug/l	100
46) Dibromomethane	9.225	93	24136	20.287	ug/l	99
47) Bromodichloromethane	9.420	83	64023	20.183	ug/l	98
48) Methyl methacrylate	9.219	41	27400	19.891	ug/l	99
49) 1,4-Dioxane	9.225	88	5250	396.870	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	149583	99.200	ug/l	100
52) Toluene	10.170	92	111889	19.915	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	57123	19.655	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	66848	19.483	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	31392	20.255	ug/l	98
56) Ethyl methacrylate	10.438	69	42049	19.635	ug/l	99
57) 1,3-Dichloropropane	10.713	76	55897	20.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	101862	99.097	ug/l	98
59) 2-Hexanone	10.762	43	98713	99.680	ug/l	99
60) Dibromochloromethane	10.908	129	43397	20.559	ug/l	99
61) 1,2-Dibromoethane	11.012	107	29498	20.104	ug/l	99
64) Tetrachloroethene	10.646	164	40481	19.686	ug/l	97
65) Chlorobenzene	11.438	112	119791	19.616	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	43652	20.414	ug/l	98
67) Ethyl Benzene	11.518	91	213261	19.715	ug/l	99
68) m/p-Xylenes	11.627	106	160355	39.412	ug/l	98
69) o-Xylene	11.957	106	74908	19.653	ug/l	99
70) Styrene	11.969	104	123889	19.536	ug/l	99
71) Bromoform	12.133	173	24357	19.911	ug/l #	95
73) Isopropylbenzene	12.255	105	202320	19.511	ug/l	99
74) N-amyl acetate	12.066	43	50118	19.015	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	37100	20.272	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	25467m	18.446	ug/l	
77) Bromobenzene	12.530	156	46970	19.474	ug/l	99
78) n-propylbenzene	12.597	91	244088	19.398	ug/l	100
79) 2-Chlorotoluene	12.682	91	141363	19.575	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	166093	19.529	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	12177	19.603	ug/l	99
82) 4-Chlorotoluene	12.780	91	146247	19.536	ug/l	100
83) tert-Butylbenzene	12.999	119	150694	19.615	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	168485	19.919	ug/l	99
85) sec-Butylbenzene	13.176	105	220676	19.665	ug/l	99
86) p-Isopropyltoluene	13.292	119	182981	19.528	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	93913	19.684	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	92534	19.632	ug/l	99
89) n-Butylbenzene	13.615	91	171802	19.483	ug/l	99
90) Hexachloroethane	13.883	117	37407	19.112	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	82600	19.760	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5991	20.694	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	48418	18.978	ug/l	99
94) Hexachlorobutadiene	15.023	225	30957	19.273	ug/l	99
95) Naphthalene	15.145	128	78577	18.594	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	41048	19.042	ug/l	99

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

