

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021919.D
 Acq On : 18 Apr 2025 10:13
 Operator : SY/MD
 Sample : VY0418SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0418SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/21/2025
 Supervised By :Semsettin Yesilyurt 04/21/2025

Quant Time: Apr 19 01:08:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	192431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	291944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	261669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102492	49.158	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.320%		
35) Dibromofluoromethane	7.634	113	96899	51.167	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.340%		
50) Toluene-d8	10.109	98	365119	50.679	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.360%		
62) 4-Bromofluorobenzene	12.407	95	123929	50.855	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.700%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	38527	19.317	ug/l	100
3) Chloromethane	2.068	50	53724	19.156	ug/l	99
4) Vinyl Chloride	2.202	62	60915	19.206	ug/l	99
5) Bromomethane	2.586	94	43628	20.168	ug/l	97
6) Chloroethane	2.732	64	40009	19.278	ug/l	98
7) Trichlorofluoromethane	3.055	101	83551	20.564	ug/l	96
8) Diethyl Ether	3.458	74	20578	18.624	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	45946	21.441	ug/l	98
10) Methyl Iodide	4.000	142	43617	18.553	ug/l	98
11) Tert butyl alcohol	4.872	59	12825	94.704	ug/l	98
12) 1,1-Dichloroethene	3.787	96	40453	20.042	ug/l	95
13) Acrolein	3.653	56	9547	38.609	ug/l	99
14) Allyl chloride	4.378	41	62394	19.388	ug/l	97
15) Acrylonitrile	5.061	53	45247	98.077	ug/l	97
16) Acetone	3.872	43	36148	84.714	ug/l	91
17) Carbon Disulfide	4.104	76	121204	18.231	ug/l	99
18) Methyl Acetate	4.385	43	23180	21.919	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	97258	19.354	ug/l	96
20) Methylene Chloride	4.616	84	45694	19.527	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	43949	19.776	ug/l	97
22) Diisopropyl ether	6.018	45	138325	20.490	ug/l	98
23) Vinyl Acetate	5.957	43	372390	94.292	ug/l	100
24) 1,1-Dichloroethane	5.915	63	80833	20.024	ug/l	100
25) 2-Butanone	6.896	43	57278	93.981	ug/l	96
26) 2,2-Dichloropropane	6.884	77	73009	20.332	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	49603	19.848	ug/l	99
28) Bromochloromethane	7.244	49	34555	20.297	ug/l	97
29) Tetrahydrofuran	7.262	42	37222	94.895	ug/l	99
30) Chloroform	7.421	83	87436	20.825	ug/l	98
31) Cyclohexane	7.701	56	69360	18.849	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	78325	20.640	ug/l	99
36) 1,1-Dichloropropene	7.835	75	60230	20.880	ug/l	98
37) Ethyl Acetate	6.982	43	27716	20.359	ug/l	98
38) Carbon Tetrachloride	7.817	117	71372	21.603	ug/l	98
39) Methylcyclohexane	9.109	83	71074	20.626	ug/l	97
40) Benzene	8.079	78	181679	21.031	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	15062	20.834	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	51568	21.175	ug/l	100
43) Isopropyl Acetate	8.195	43	52832	20.479	ug/l	98
44) Trichloroethene	8.865	130	48805	22.174	ug/l	90
45) 1,2-Dichloropropane	9.140	63	43465	21.257	ug/l	98
46) Dibromomethane	9.231	93	25097	21.297	ug/l	97
47) Bromodichloromethane	9.420	83	66331	21.722	ug/l	97
48) Methyl methacrylate	9.219	41	23083	19.495	ug/l	97
49) 1,4-Dioxane	9.231	88	4904	388.458	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	136081	101.361	ug/l	99
52) Toluene	10.170	92	115167	21.368	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	54928	20.252	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	64982	20.309	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	33154	21.862	ug/l	98
56) Ethyl methacrylate	10.438	69	39360	20.326	ug/l	96
57) 1,3-Dichloropropane	10.719	76	56065	21.406	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	100365	106.245	ug/l	100
59) 2-Hexanone	10.761	43	89435	100.027	ug/l	99
60) Dibromochloromethane	10.914	129	44277	21.384	ug/l	96
61) 1,2-Dibromoethane	11.011	107	30359	21.340	ug/l	98
64) Tetrachloroethene	10.646	164	55740	23.389	ug/l	95
65) Chlorobenzene	11.444	112	124520	20.759	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	46039	21.633	ug/l	99
67) Ethyl Benzene	11.517	91	212572	20.667	ug/l	98
68) m/p-Xylenes	11.627	106	167007	42.401	ug/l	99
69) o-Xylene	11.956	106	74300	20.436	ug/l	99
70) Styrene	11.969	104	128232	21.153	ug/l	98
71) Bromoform	12.133	173	26141	21.534	ug/l #	97
73) Isopropylbenzene	12.255	105	202653	19.703	ug/l	100
74) N-amyl acetate	12.072	43	45083	18.677	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	35957	19.445	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	29439m	21.447	ug/l	
77) Bromobenzene	12.529	156	50800	20.571	ug/l	96
78) n-propylbenzene	12.596	91	252176	20.394	ug/l	100
79) 2-Chlorotoluene	12.682	91	144665	20.143	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	170735	20.311	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11441	19.205	ug/l	99
82) 4-Chlorotoluene	12.779	91	152028	20.304	ug/l	99
83) tert-Butylbenzene	12.999	119	149302	19.941	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	168626	20.296	ug/l	98
85) sec-Butylbenzene	13.176	105	225329	20.593	ug/l	100
86) p-Isopropyltoluene	13.291	119	185195	20.478	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	101373	20.836	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	100587	20.925	ug/l	98
89) n-Butylbenzene	13.615	91	170413	20.376	ug/l	99
90) Hexachloroethane	13.877	117	41663	21.023	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	88522	20.901	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5652	19.721	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	48910	21.295	ug/l	100
94) Hexachlorobutadiene	15.023	225	31996	22.306	ug/l	98
95) Naphthalene	15.145	128	77515	20.361	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	41890	21.388	ug/l	97

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

