

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021884.D
 Acq On : 15 Apr 2025 10:08
 Operator : SY/MD
 Sample : VY0415SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:00:10 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	244075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	380818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	336196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	176232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	131897	49.876	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.760%		
35) Dibromofluoromethane	7.634	113	127447	51.592	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.180%		
50) Toluene-d8	10.109	98	485868	51.700	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.400%		
62) 4-Bromofluorobenzene	12.408	95	169326	53.268	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	106.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	44600	17.630	ug/l	97
3) Chloromethane	2.062	50	62941	17.694	ug/l	99
4) Vinyl Chloride	2.202	62	68053	16.916	ug/l	99
5) Bromomethane	2.592	94	57348	20.901	ug/l	97
6) Chloroethane	2.733	64	47345	17.985	ug/l	99
7) Trichlorofluoromethane	3.050	101	97582	18.936	ug/l	95
8) Diethyl Ether	3.452	74	27047	19.299	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	51918	19.102	ug/l	99
10) Methyl Iodide	4.001	142	53668	17.999	ug/l	98
11) Tert butyl alcohol	4.891	59	15233	88.685	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	48717	19.029	ug/l	98
13) Acrolein	3.653	56	12336	39.332	ug/l	94
14) Allyl chloride	4.385	41	74844	18.336	ug/l	99
15) Acrylonitrile	5.055	53	55072	94.116	ug/l	98
16) Acetone	3.873	43	46651	86.196	ug/l	97
17) Carbon Disulfide	4.104	76	142374	16.884	ug/l	98
18) Methyl Acetate	4.385	43	25596	19.082	ug/l	95
19) Methyl tert-butyl Ether	5.110	73	122149	19.164	ug/l	99
20) Methylene Chloride	4.610	84	56102	18.768	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	53419	18.951	ug/l	99
22) Diisopropyl ether	6.019	45	164179	19.174	ug/l	99
23) Vinyl Acetate	5.964	43	454085	90.650	ug/l	98
24) 1,1-Dichloroethane	5.909	63	97028	18.950	ug/l	99
25) 2-Butanone	6.897	43	70283	90.919	ug/l	98
26) 2,2-Dichloropropane	6.884	77	87922	19.305	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	62014	19.563	ug/l	96
28) Bromochloromethane	7.244	49	40717	18.856	ug/l	93
29) Tetrahydrofuran	7.262	42	43606	87.648	ug/l	96
30) Chloroform	7.421	83	104451	19.614	ug/l	99
31) Cyclohexane	7.701	56	81042	17.364	ug/l #	85
32) 1,1,1-Trichloroethane	7.616	97	92382	19.194	ug/l	99
36) 1,1-Dichloropropene	7.835	75	70929	18.851	ug/l	98
37) Ethyl Acetate	6.988	43	31983	18.011	ug/l	98
38) Carbon Tetrachloride	7.817	117	83697	19.421	ug/l	97
39) Methylcyclohexane	9.110	83	83636	18.607	ug/l	99
40) Benzene	8.079	78	218445	19.386	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	17862	18.941	ug/l #	100
42) 1,2-Dichloroethane	8.159	62	61004	19.204	ug/l	98
43) Isopropyl Acetate	8.195	43	62326	18.521	ug/l	98
44) Trichloroethene	8.866	130	58117	20.242	ug/l	96
45) 1,2-Dichloropropane	9.140	63	52070	19.522	ug/l	99
46) Dibromomethane	9.231	93	30377	19.761	ug/l	98
47) Bromodichloromethane	9.420	83	78826	19.790	ug/l	99
48) Methyl methacrylate	9.219	41	28377	18.373	ug/l	97
49) 1,4-Dioxane	9.238	88	6167	374.498	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	164397	93.875	ug/l	100
52) Toluene	10.170	92	139771	19.881	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	69372	19.608	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	80810	19.361	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	40505	20.476	ug/l	96
56) Ethyl methacrylate	10.439	69	49093	19.436	ug/l	97
57) 1,3-Dichloropropane	10.719	76	67895	19.873	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	125045	101.478	ug/l	98
59) 2-Hexanone	10.762	43	107616	92.272	ug/l	100
60) Dibromochloromethane	10.914	129	53020	19.631	ug/l	97
61) 1,2-Dibromoethane	11.018	107	37677	20.303	ug/l	99
64) Tetrachloroethene	10.646	164	66318	21.659	ug/l	98
65) Chlorobenzene	11.445	112	151834	19.702	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	55337	20.238	ug/l	99
67) Ethyl Benzene	11.518	91	256839	19.435	ug/l	98
68) m/p-Xylenes	11.627	106	199787	39.480	ug/l	99
69) o-Xylene	11.957	106	92800	19.866	ug/l	98
70) Styrene	11.969	104	155340	19.945	ug/l	99
71) Bromoform	12.133	173	32113	20.589	ug/l #	100
73) Isopropylbenzene	12.255	105	248039	18.950	ug/l	99
74) N-amyl acetate	12.072	43	53504	17.417	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	41649	17.698	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	33192m	19.000	ug/l	
77) Bromobenzene	12.530	156	61114	19.446	ug/l	97
78) n-propylbenzene	12.597	91	301255	19.144	ug/l	100
79) 2-Chlorotoluene	12.682	91	172737	18.899	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	202462	18.925	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	13547	17.868	ug/l	98
82) 4-Chlorotoluene	12.780	91	181990	19.099	ug/l	99
83) tert-Butylbenzene	12.999	119	178452	18.728	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	204868	19.376	ug/l	100
85) sec-Butylbenzene	13.176	105	267256	19.192	ug/l	100
86) p-Isopropyltoluene	13.292	119	222619	19.343	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	119598	19.315	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	119367	19.512	ug/l	98
89) n-Butylbenzene	13.621	91	202637	19.038	ug/l	100
90) Hexachloroethane	13.883	117	47131	18.687	ug/l	97
91) 1,2-Dichlorobenzene	13.664	146	106944	19.841	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6800	18.643	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	60426	20.673	ug/l	99
94) Hexachlorobutadiene	15.023	225	37820	20.718	ug/l	98
95) Naphthalene	15.145	128	95586	19.729	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	50428	20.231	ug/l	95

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

