

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021965.D
 Acq On : 23 Apr 2025 11:30
 Operator : SY/MD
 Sample : VY0423SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
 Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 24 03:45:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	282902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	449051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	413807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	217306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150691	57.667	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.340%			
35) Dibromofluoromethane	7.634	113	165058	55.637	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.280%			
50) Toluene-d8	10.109	98	631644	56.476	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.960%			
62) 4-Bromofluorobenzene	12.408	95	208883	55.479	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	49921	20.709	ug/l	98
3) Chloromethane	2.068	50	79488	23.158	ug/l	98
4) Vinyl Chloride	2.202	62	89907	21.315	ug/l	97
5) Bromomethane	2.592	94	88711	24.412	ug/l	98
6) Chloroethane	2.732	64	63681	22.168	ug/l	97
7) Trichlorofluoromethane	3.056	101	120312	21.631	ug/l	96
8) Diethyl Ether	3.458	74	30974	21.396	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.812	101	63320	20.986	ug/l	99
10) Methyl Iodide	4.001	142	70005	20.040	ug/l	98
11) Tert butyl alcohol	4.878	59	15514	108.143	ug/l	98
12) 1,1-Dichloroethene	3.787	96	59766	21.251	ug/l	99
13) Acrolein	3.653	56	28937	112.386	ug/l	96
14) Allyl chloride	4.385	41	69146	21.115	ug/l	100
15) Acrylonitrile	5.067	53	58664	110.691	ug/l	99
16) Acetone	3.879	43	38848	100.834	ug/l	96
17) Carbon Disulfide	4.104	76	191892	21.399	ug/l	99
18) Methyl Acetate	4.385	43	28929	23.700	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	134504	21.368	ug/l	100
20) Methylene Chloride	4.616	84	68460	20.719	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	66287	21.046	ug/l	95
22) Diisopropyl ether	6.018	45	158910	21.806	ug/l	98
23) Vinyl Acetate	5.964	43	426011	108.470	ug/l	98
24) 1,1-Dichloroethane	5.915	63	108642	21.508	ug/l	99
25) 2-Butanone	6.902	43	62867	105.544	ug/l	96
26) 2,2-Dichloropropane	6.884	77	94622	21.372	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	75288	21.378	ug/l	100
28) Bromochloromethane	7.244	49	42622	21.723	ug/l	99
29) Tetrahydrofuran	7.268	42	41886	108.271	ug/l	98
30) Chloroform	7.421	83	120730	21.547	ug/l	96
31) Cyclohexane	7.701	56	87414	20.236	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	107229	21.153	ug/l	99
36) 1,1-Dichloropropene	7.835	75	81404	20.427	ug/l	99
37) Ethyl Acetate	6.988	43	30867	21.567	ug/l	98
38) Carbon Tetrachloride	7.817	117	99458	20.886	ug/l	99
39) Methylcyclohexane	9.109	83	98788	19.699	ug/l	94
40) Benzene	8.079	78	267183	21.448	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	14079	17.995	ug/l #	83
42) 1,2-Dichloroethane	8.158	62	66453	21.546	ug/l	99
43) Isopropyl Acetate	8.195	43	58503	21.285	ug/l	99
44) Trichloroethene	8.866	130	72568	21.032	ug/l	96
45) 1,2-Dichloropropane	9.140	63	59534	21.611	ug/l	99
46) Dibromomethane	9.231	93	37842	21.944	ug/l	96
47) Bromodichloromethane	9.426	83	94206	21.867	ug/l	100
48) Methyl methacrylate	9.219	41	26221	20.637	ug/l	97
49) 1,4-Dioxane	9.237	88	7598	413.379	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	155329	107.805	ug/l	99
52) Toluene	10.170	92	174167	21.599	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	77964	21.099	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	91895	20.921	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	50181	21.785	ug/l	98
56) Ethyl methacrylate	10.438	69	54442	20.667	ug/l	98
57) 1,3-Dichloropropane	10.719	76	80782	21.875	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	138379	107.441	ug/l	99
59) 2-Hexanone	10.762	43	101012	106.290	ug/l	97
60) Dibromochloromethane	10.908	129	67764	21.248	ug/l	99
61) 1,2-Dibromoethane	11.018	107	47684	21.927	ug/l	99
64) Tetrachloroethene	10.646	164	81045	20.761	ug/l	97
65) Chlorobenzene	11.444	112	191806	20.727	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	68516	21.031	ug/l	99
67) Ethyl Benzene	11.517	91	307380	20.306	ug/l	99
68) m/p-Xylenes	11.627	106	252290	41.883	ug/l	100
69) o-Xylene	11.956	106	114542	20.631	ug/l	100
70) Styrene	11.969	104	193927	20.804	ug/l	99
71) Bromoform	12.133	173	40073	21.157	ug/l #	99
73) Isopropylbenzene	12.255	105	293013	20.182	ug/l	99
74) N-amyl acetate	12.072	43	48774	19.553	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	53347	21.794	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	40640m	21.834	ug/l	
77) Bromobenzene	12.529	156	76432	20.834	ug/l	99
78) n-propylbenzene	12.597	91	358868	20.756	ug/l	100
79) 2-Chlorotoluene	12.682	91	208957	20.781	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	247505	20.690	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	16304	21.094	ug/l	99
82) 4-Chlorotoluene	12.779	91	220322	21.078	ug/l	100
83) tert-Butylbenzene	12.999	119	218496	20.366	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	254176	21.243	ug/l	100
85) sec-Butylbenzene	13.176	105	320366	20.407	ug/l	100
86) p-Isopropyltoluene	13.292	119	268461	20.138	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	155704	20.897	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	151648	20.550	ug/l	99
89) n-Butylbenzene	13.615	91	236261	19.828	ug/l	99
90) Hexachloroethane	13.877	117	60708	20.727	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	136607	21.021	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7848	20.153	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	73361	19.921	ug/l	98
94) Hexachlorobutadiene	15.023	225	45632	20.139	ug/l	99
95) Naphthalene	15.145	128	120010	19.617	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	64279	20.221	ug/l	98

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

