

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021903.D
 Acq On : 17 Apr 2025 10:28
 Operator : SY/MD
 Sample : VY0417SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0417SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/18/2025
 Supervised By :Semsettin Yesilyurt 04/18/2025

Quant Time: Apr 18 03:55:33 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	203142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	318060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	284542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	149017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114888	52.198	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.400%			
35) Dibromofluoromethane	7.634	113	109878	53.256	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.520%			
50) Toluene-d8	10.109	98	418869	53.366	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.740%			
62) 4-Bromofluorobenzene	12.408	95	142343	53.615	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	39100	18.570	ug/l	99
3) Chloromethane	2.062	50	58724	19.835	ug/l	98
4) Vinyl Chloride	2.202	62	63109	18.848	ug/l	100
5) Bromomethane	2.592	94	48775	21.359	ug/l	100
6) Chloroethane	2.733	64	42317	19.315	ug/l	99
7) Trichlorofluoromethane	3.056	101	85354	19.900	ug/l	96
8) Diethyl Ether	3.452	74	22782	19.532	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	47070	20.807	ug/l	98
10) Methyl Iodide	4.007	142	49402	19.906	ug/l	98
11) Tert butyl alcohol	4.879	59	13328	93.229	ug/l #	93
12) 1,1-Dichloroethene	3.787	96	41260	19.364	ug/l	94
13) Acrolein	3.653	56	10423	39.929	ug/l	96
14) Allyl chloride	4.385	41	65438	19.262	ug/l	99
15) Acrylonitrile	5.061	53	49726	102.103	ug/l	99
16) Acetone	3.879	43	41808	92.813	ug/l	98
17) Carbon Disulfide	4.104	76	124694	17.767	ug/l	97
18) Methyl Acetate	4.391	43	23812	21.329	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	105716	19.928	ug/l	100
20) Methylene Chloride	4.622	84	49172	19.987	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	45909	19.569	ug/l	96
22) Diisopropyl ether	6.019	45	147751	20.732	ug/l	94
23) Vinyl Acetate	5.964	43	403600	96.806	ug/l	97
24) 1,1-Dichloroethane	5.915	63	86017	20.185	ug/l	99
25) 2-Butanone	6.903	43	61941	96.273	ug/l	93
26) 2,2-Dichloropropane	6.884	77	76083	20.071	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	53491	20.275	ug/l	98
28) Bromochloromethane	7.244	49	37613	20.929	ug/l	97
29) Tetrahydrofuran	7.268	42	40423	97.622	ug/l	100
30) Chloroform	7.421	83	92341	20.834	ug/l	100
31) Cyclohexane	7.701	56	72498	18.663	ug/l #	93
32) 1,1,1-Trichloroethane	7.616	97	81198	20.269	ug/l	99
36) 1,1-Dichloropropene	7.835	75	63431	20.184	ug/l	99
37) Ethyl Acetate	6.988	43	29089	19.613	ug/l	99
38) Carbon Tetrachloride	7.823	117	74707	20.756	ug/l	95
39) Methylcyclohexane	9.110	83	73096	19.471	ug/l	98
40) Benzene	8.079	78	193348	20.544	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	15919	20.211	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	55264	20.829	ug/l	100
43) Isopropyl Acetate	8.201	43	55743	19.833	ug/l	99
44) Trichloroethene	8.866	130	51023	21.278	ug/l	95
45) 1,2-Dichloropropane	9.140	63	45788	20.554	ug/l	99
46) Dibromomethane	9.231	93	26755	20.839	ug/l	98
47) Bromodichloromethane	9.427	83	69684	20.947	ug/l	97
48) Methyl methacrylate	9.219	41	24779	19.209	ug/l	98
49) 1,4-Dioxane	9.231	88	5318	386.662	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	149095	101.936	ug/l	100
52) Toluene	10.170	92	121376	20.671	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	59545	20.151	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	71422	20.488	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	34480	20.869	ug/l	99
56) Ethyl methacrylate	10.439	69	42089	19.950	ug/l	98
57) 1,3-Dichloropropane	10.719	76	59440	20.831	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	110303	107.177	ug/l	99
59) 2-Hexanone	10.762	43	96845	99.421	ug/l	99
60) Dibromochloromethane	10.914	129	47863	21.218	ug/l	99
61) 1,2-Dibromoethane	11.018	107	32484	20.959	ug/l	100
64) Tetrachloroethene	10.646	164	58091	22.416	ug/l	97
65) Chlorobenzene	11.444	112	133358	20.445	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	48802	21.088	ug/l	99
67) Ethyl Benzene	11.518	91	223994	20.026	ug/l	100
68) m/p-Xylenes	11.627	106	176371	41.179	ug/l	99
69) o-Xylene	11.957	106	80317	20.315	ug/l	100
70) Styrene	11.969	104	135980	20.628	ug/l	99
71) Bromoform	12.133	173	28584	21.653	ug/l #	99
73) Isopropylbenzene	12.255	105	214928	19.419	ug/l	100
74) N-amyl acetate	12.072	43	47816	18.408	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	37612	18.901	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	30279m	20.498	ug/l	
77) Bromobenzene	12.530	156	52488	19.751	ug/l	99
78) n-propylbenzene	12.597	91	263960	19.837	ug/l	99
79) 2-Chlorotoluene	12.676	91	152672	19.754	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	178345	19.716	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12495	19.491	ug/l	96
82) 4-Chlorotoluene	12.780	91	160205	19.883	ug/l	99
83) tert-Butylbenzene	12.999	119	157393	19.535	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	179927	20.125	ug/l	100
85) sec-Butylbenzene	13.176	105	236700	20.103	ug/l	99
86) p-Isopropyltoluene	13.292	119	196169	20.158	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	106425	20.327	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	105957	20.483	ug/l	98
89) n-Butylbenzene	13.615	91	178098	19.788	ug/l	99
90) Hexachloroethane	13.877	117	43793	20.535	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	94315	20.694	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6112	19.817	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	51865	20.984	ug/l	99
94) Hexachlorobutadiene	15.023	225	33165	21.485	ug/l	100
95) Naphthalene	15.145	128	83223	20.314	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	45333	21.509	ug/l	99

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

