

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050825\
 Data File : VY022199.D
 Acq On : 08 May 2025 09:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/09/2025
 Supervised By :Semsettin Yesilyurt 05/09/2025

Quant Time: May 09 05:04:39 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	232737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	341854	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	318447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	178245	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	108105	50.287	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.580%	
35) Dibromofluoromethane	7.634	113	118261	52.363	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.720%	
50) Toluene-d8	10.109	98	466034	54.735	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.460%	
62) 4-Bromofluorobenzene	12.407	95	159149	55.524	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.040%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	87926	44.337	ug/l	98
3) Chloromethane	2.068	50	147703	52.307	ug/l	99
4) Vinyl Chloride	2.202	62	184226	53.091	ug/l	100
5) Bromomethane	2.592	94	152248	50.926	ug/l	100
6) Chloroethane	2.732	64	126505	53.530	ug/l	99
7) Trichlorofluoromethane	3.049	101	231572	50.608	ug/l	98
8) Diethyl Ether	3.452	74	52159	43.795	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.811	101	122619	49.399	ug/l	98
10) Methyl Iodide	4.000	142	138296	48.121	ug/l	98
11) Tert butyl alcohol	4.878	59	27461	232.682	ug/l	99
12) 1,1-Dichloroethene	3.787	96	109865	47.485	ug/l	94
13) Acrolein	3.659	56	17041	80.449	ug/l	99
14) Allyl chloride	4.378	41	131793	48.921	ug/l	98
15) Acrylonitrile	5.061	53	105888	242.861	ug/l	98
16) Acetone	3.872	43	83934	302.799	ug/l	99
17) Carbon Disulfide	4.104	76	334723	45.374	ug/l	98
18) Methyl Acetate	4.391	43	53007	52.785	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	251248	48.518	ug/l	99
20) Methylene Chloride	4.610	84	123979	45.609	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	125098	48.279	ug/l	95
22) Diisopropyl ether	6.018	45	315447	52.617	ug/l	99
23) Vinyl Acetate	5.957	43	830835	257.144	ug/l	99
24) 1,1-Dichloroethane	5.915	63	207410	49.911	ug/l	99
25) 2-Butanone	6.896	43	125216	255.529	ug/l	99
26) 2,2-Dichloropropane	6.884	77	190625	52.337	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	138473	47.794	ug/l	96
28) Bromochloromethane	7.244	49	78580	48.683	ug/l	95
29) Tetrahydrofuran	7.262	42	80648	253.400	ug/l	99
30) Chloroform	7.421	83	231432	50.208	ug/l	100
31) Cyclohexane	7.701	56	176591	49.692	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	207343	49.719	ug/l	98
36) 1,1-Dichloropropene	7.835	75	163521	53.901	ug/l	98
37) Ethyl Acetate	6.988	43	57373	52.657	ug/l	98
38) Carbon Tetrachloride	7.817	117	193808	53.463	ug/l	97
39) Methylcyclohexane	9.109	83	204504	53.566	ug/l	95
40) Benzene	8.079	78	499128	52.632	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	32380	54.364	ug/l	94
42) 1,2-Dichloroethane	8.158	62	124554	53.048	ug/l	98
43) Isopropyl Acetate	8.195	43	110339	52.733	ug/l	99
44) Trichloroethene	8.865	130	133349	50.766	ug/l	100
45) 1,2-Dichloropropane	9.140	63	112721	53.749	ug/l	97
46) Dibromomethane	9.231	93	68110	51.881	ug/l	98
47) Bromodichloromethane	9.420	83	173657	52.950	ug/l	97
48) Methyl methacrylate	9.219	41	51176	52.906	ug/l	99
49) 1,4-Dioxane	9.237	88	13842	989.242	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	310068	282.683	ug/l	97
52) Toluene	10.170	92	335529	54.659	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	149178	53.030	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	177728	53.149	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	92436	52.711	ug/l	98
56) Ethyl methacrylate	10.438	69	109746	54.726	ug/l	96
57) 1,3-Dichloropropane	10.719	76	150425	53.508	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	275550	281.032	ug/l	98
59) 2-Hexanone	10.761	43	208902	288.746	ug/l	97
60) Dibromochloromethane	10.914	129	128299	52.844	ug/l	99
61) 1,2-Dibromoethane	11.017	107	86658	52.345	ug/l	99
64) Tetrachloroethene	10.646	164	153280	51.023	ug/l	98
65) Chlorobenzene	11.444	112	367093	51.549	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	132142	52.707	ug/l	99
67) Ethyl Benzene	11.517	91	629476	54.036	ug/l	100
68) m/p-Xylenes	11.627	106	509011	109.807	ug/l	100
69) o-Xylene	11.956	106	233431	54.636	ug/l	99
70) Styrene	11.969	104	399256	55.656	ug/l	99
71) Bromoform	12.133	173	76748	52.653	ug/l #	100
73) Isopropylbenzene	12.255	105	621648	52.201	ug/l	99
74) N-amyl acetate	12.072	43	104821	51.232	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	101289	50.449	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	78431m	51.371	ug/l	
77) Bromobenzene	12.529	156	149821	49.789	ug/l	97
78) n-propylbenzene	12.596	91	761617	53.704	ug/l	100
79) 2-Chlorotoluene	12.682	91	426099	51.663	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	521046	53.102	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	32039	50.535	ug/l	98
82) 4-Chlorotoluene	12.779	91	447905	52.242	ug/l	99
83) tert-Butylbenzene	12.999	119	463200	52.637	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	519350	52.917	ug/l	99
85) sec-Butylbenzene	13.176	105	695229	53.990	ug/l	100
86) p-Isopropyltoluene	13.291	119	584529	53.457	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	304315	49.792	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	299630	49.501	ug/l	100
89) n-Butylbenzene	13.621	91	529651	54.192	ug/l	100
90) Hexachloroethane	13.883	117	123008	51.202	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	267819	50.242	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15447	48.358	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	151857	50.272	ug/l	99
94) Hexachlorobutadiene	15.023	225	95163	51.204	ug/l	99
95) Naphthalene	15.145	128	252535	50.327	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	130200	49.933	ug/l	99

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

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