

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022143.D
 Acq On : 02 May 2025 20:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: May 03 02:54:06 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	276473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	439602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	408900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	226122	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.055	65	136376	53.403	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.800%	
35) Dibromofluoromethane	7.634	113	148715	51.206	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.420%	
50) Toluene-d8	10.103	98	554928	50.683	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.360%	
62) 4-Bromofluorobenzene	12.402	95	197818	53.669	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.340%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	93364	39.631	ug/l	99
3) Chloromethane	2.068	50	141843	42.285	ug/l	97
4) Vinyl Chloride	2.202	62	190706	46.264	ug/l	99
5) Bromomethane	2.592	94	159708	44.971	ug/l	97
6) Chloroethane	2.732	64	135463	48.253	ug/l	96
7) Trichlorofluoromethane	3.050	101	248096	45.643	ug/l	97
8) Diethyl Ether	3.452	74	68992	48.765	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	132509	44.939	ug/l	98
10) Methyl Iodide	4.001	142	165996	48.623	ug/l	99
11) Tert butyl alcohol	4.872	59	38492	274.555	ug/l	97
12) 1,1-Dichloroethene	3.787	96	126743	46.114	ug/l	98
13) Acrolein	3.653	56	32981	131.070	ug/l	99
14) Allyl chloride	4.379	41	150559	47.046	ug/l	98
15) Acrylonitrile	5.049	53	130828	252.595	ug/l	99
16) Acetone	3.873	43	90008	271.073	ug/l	98
17) Carbon Disulfide	4.098	76	380804	43.454	ug/l	100
18) Methyl Acetate	4.385	43	124992	104.779	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	324861	52.809	ug/l	99
20) Methylene Chloride	4.610	84	152115	47.107	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	147439	47.900	ug/l	94
22) Diisopropyl ether	6.012	45	362393	50.885	ug/l	99
23) Vinyl Acetate	5.958	43	797671	207.825	ug/l	100
24) 1,1-Dichloroethane	5.915	63	241195	48.859	ug/l	98
25) 2-Butanone	6.890	43	149083	256.107	ug/l	99
26) 2,2-Dichloropropane	6.878	77	189288	43.749	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	173932	50.536	ug/l	99
28) Bromochloromethane	7.238	49	101645	53.011	ug/l	97
29) Tetrahydrofuran	7.256	42	101295	267.926	ug/l	96
30) Chloroform	7.415	83	278903	50.934	ug/l	95
31) Cyclohexane	7.701	56	187644	44.450	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	247003	49.859	ug/l	99
36) 1,1-Dichloropropene	7.835	75	183873	47.133	ug/l	99
37) Ethyl Acetate	6.988	43	64461	46.007	ug/l	96
38) Carbon Tetrachloride	7.817	117	223859	48.022	ug/l	99
39) Methylcyclohexane	9.109	83	225475	45.927	ug/l	98
40) Benzene	8.079	78	592345	48.573	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	38317	50.027	ug/l #	94
42) 1,2-Dichloroethane	8.152	62	155722	51.576	ug/l	98
43) Isopropyl Acetate	8.195	43	130103	48.352	ug/l	98
44) Trichloroethene	8.859	130	157064	46.499	ug/l	95
45) 1,2-Dichloropropane	9.140	63	133010	49.321	ug/l	100
46) Dibromomethane	9.231	93	85936	50.904	ug/l	98
47) Bromodichloromethane	9.420	83	214391	50.835	ug/l	100
48) Methyl methacrylate	9.219	41	67143	53.979	ug/l	96
49) 1,4-Dioxane	9.225	88	18608	1034.152	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	385360	273.206	ug/l	100
52) Toluene	10.170	92	389513	49.344	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	180958	50.024	ug/l	94
54) cis-1,3-Dichloropropene	9.853	75	209904	48.814	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	116956	51.864	ug/l	99
56) Ethyl methacrylate	10.438	69	135313	52.472	ug/l	97
57) 1,3-Dichloropropane	10.713	76	184752	51.105	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	360746	286.113	ug/l	100
59) 2-Hexanone	10.755	43	260902	280.435	ug/l	98
60) Dibromochloromethane	10.908	129	160935	51.547	ug/l	100
61) 1,2-Dibromoethane	11.012	107	109767	51.560	ug/l	100
64) Tetrachloroethene	10.646	164	161141	41.774	ug/l	96
65) Chlorobenzene	11.438	112	438741	47.981	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	155961	48.447	ug/l	99
67) Ethyl Benzene	11.518	91	736283	49.223	ug/l	99
68) m/p-Xylenes	11.627	106	584467	98.193	ug/l	99
69) o-Xylene	11.950	106	272163	49.610	ug/l	97
70) Styrene	11.969	104	471957	51.237	ug/l	99
71) Bromoform	12.127	173	94894	50.701	ug/l #	99
73) Isopropylbenzene	12.249	105	714159	47.272	ug/l	100
74) N-amyl acetate	12.066	43	105998	40.838	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	131044	51.449	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	101922m	52.623	ug/l	
77) Bromobenzene	12.530	156	177056	46.381	ug/l	96
78) n-propylbenzene	12.590	91	854413	47.491	ug/l	99
79) 2-Chlorotoluene	12.676	91	500349	47.821	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	599221	48.139	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	34865	43.349	ug/l	97
82) 4-Chlorotoluene	12.773	91	520006	47.810	ug/l	99
83) tert-Butylbenzene	12.993	119	533040	47.748	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	608639	48.885	ug/l	100
85) sec-Butylbenzene	13.170	105	777793	47.613	ug/l	99
86) p-Isopropyltoluene	13.292	119	657539	47.402	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	354434	45.714	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	348547	45.391	ug/l	99
89) n-Butylbenzene	13.615	91	574676	46.349	ug/l	100
90) Hexachloroethane	13.877	117	141215	46.335	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	312567	46.221	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19652	48.496	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	175122	45.699	ug/l	99
94) Hexachlorobutadiene	15.023	225	102690	43.555	ug/l	99
95) Naphthalene	15.139	128	326268	51.254	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	157700	47.674	ug/l	99

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

