

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050625\
 Data File : VY022170.D
 Acq On : 06 May 2025 09:14
 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 05/07/2025
 Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 04:30:22 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	7.713	168	239745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	360580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	331226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	184988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	110746	50.010	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.020%	
35) Dibromofluoromethane	7.640	113	120311	50.504	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.000%	
50) Toluene-d8	10.109	98	462783	51.530	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.060%	
62) 4-Bromofluorobenzene	12.408	95	157189	51.992	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.980%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	90373	44.239	ug/l	98
3) Chloromethane	2.074	50	137200	47.167	ug/l	97
4) Vinyl Chloride	2.208	62	183551	51.350	ug/l	100
5) Bromomethane	2.598	94	140971	45.776	ug/l	98
6) Chloroethane	2.739	64	125216	51.436	ug/l	99
7) Trichlorofluoromethane	3.062	101	227379	48.240	ug/l	99
8) Diethyl Ether	3.458	74	57631	46.976	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	126132	49.329	ug/l	98
10) Methyl Iodide	4.007	142	142230	48.044	ug/l	98
11) Tert butyl alcohol	4.866	59	29710	244.379	ug/l	100
12) 1,1-Dichloroethene	3.793	96	114957	48.234	ug/l	94
13) Acrolein	3.659	56	20342	93.226	ug/l	97
14) Allyl chloride	4.385	41	143009	51.533	ug/l	97
15) Acrylonitrile	5.061	53	114463	254.854	ug/l	99
16) Acetone	3.873	43	92493	325.552	ug/l	99
17) Carbon Disulfide	4.110	76	354211	46.612	ug/l	99
18) Methyl Acetate	4.391	43	59387	57.410	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	268286	50.294	ug/l	99
20) Methylene Chloride	4.616	84	126376	45.132	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	133224	49.912	ug/l	94
22) Diisopropyl ether	6.025	45	334127	54.103	ug/l	96
23) Vinyl Acetate	5.964	43	892371	268.116	ug/l	98
24) 1,1-Dichloroethane	5.921	63	221609	51.769	ug/l	99
25) 2-Butanone	6.903	43	135410	268.255	ug/l	96
26) 2,2-Dichloropropane	6.884	77	198938	53.023	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	150949	50.577	ug/l	95
28) Bromochloromethane	7.244	49	83906	50.463	ug/l	96
29) Tetrahydrofuran	7.262	42	89042	271.597	ug/l	99
30) Chloroform	7.427	83	244222	51.434	ug/l	99
31) Cyclohexane	7.707	56	185967	50.801	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	217798	50.699	ug/l	99
36) 1,1-Dichloropropene	7.841	75	171489	53.592	ug/l	98
37) Ethyl Acetate	6.982	43	62672	54.533	ug/l	97
38) Carbon Tetrachloride	7.823	117	203555	53.235	ug/l	97
39) Methylcyclohexane	9.109	83	217351	53.975	ug/l	94
40) Benzene	8.085	78	529500	52.935	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	32904	52.375	ug/l	95
42) 1,2-Dichloroethane	8.165	62	131950	53.280	ug/l	98
43) Isopropyl Acetate	8.201	43	118191	53.552	ug/l	99
44) Trichloroethene	8.866	130	144198	52.045	ug/l	99
45) 1,2-Dichloropropane	9.146	63	121282	54.827	ug/l	98
46) Dibromomethane	9.237	93	73119	52.804	ug/l	97
47) Bromodichloromethane	9.426	83	184993	53.477	ug/l	99
48) Methyl methacrylate	9.225	41	56815	55.686	ug/l	97
49) 1,4-Dioxane	9.231	88	15422	1044.921	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	329679	284.953	ug/l	98
52) Toluene	10.176	92	351869	54.344	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	163371	55.059	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	189466	53.717	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	99416	53.748	ug/l	97
56) Ethyl methacrylate	10.445	69	115554	54.630	ug/l	96
57) 1,3-Dichloropropane	10.719	76	158472	53.442	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	283721	274.338	ug/l	99
59) 2-Hexanone	10.762	43	221418	290.152	ug/l	98
60) Dibromochloromethane	10.914	129	135560	52.935	ug/l	100
61) 1,2-Dibromoethane	11.018	107	92378	52.902	ug/l	100
64) Tetrachloroethene	10.652	164	162239	51.922	ug/l	99
65) Chlorobenzene	11.444	112	390272	52.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	136983	52.530	ug/l	98
67) Ethyl Benzene	11.524	91	672576	55.508	ug/l	99
68) m/p-Xylenes	11.633	106	541347	112.277	ug/l	100
69) o-Xylene	11.957	106	246335	55.432	ug/l	98
70) Styrene	11.969	104	423444	56.750	ug/l	99
71) Bromoform	12.133	173	79117	52.185	ug/l #	100
73) Isopropylbenzene	12.255	105	654161	52.929	ug/l	100
74) N-amyl acetate	12.072	43	109786	51.702	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	106920	51.312	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	73028m	46.089	ug/l	
77) Bromobenzene	12.536	156	155166	49.685	ug/l	96
78) n-propylbenzene	12.597	91	802900	54.551	ug/l	99
79) 2-Chlorotoluene	12.682	91	452344	52.846	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	553534	54.357	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	33948	51.594	ug/l	98
82) 4-Chlorotoluene	12.780	91	474107	53.283	ug/l	99
83) tert-Butylbenzene	12.999	119	484239	53.022	ug/l	96
84) 1,2,4-Trimethylbenzene	13.048	105	557633	54.747	ug/l	100
85) sec-Butylbenzene	13.176	105	727224	54.416	ug/l	99
86) p-Isopropyltoluene	13.292	119	620080	54.641	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	327645	51.656	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	323350	51.473	ug/l	99
89) n-Butylbenzene	13.621	91	560229	55.231	ug/l	100
90) Hexachloroethane	13.883	117	129569	51.967	ug/l	97
91) 1,2-Dichlorobenzene	13.664	146	284643	51.452	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	16698	50.369	ug/l	89
93) 1,2,4-Trichlorobenzene	14.925	180	157369	50.198	ug/l	100
94) Hexachlorobutadiene	15.029	225	95951	49.746	ug/l	99
95) Naphthalene	15.145	128	259824	49.892	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	135284	49.992	ug/l	100

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

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