

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022354.D
 Acq On : 21 May 2025 09:33
 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 05/22/2025
 Supervised By : Semsettin Yesilyurt 05/22/2025

Quant Time: May 22 00:03:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	174007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	289031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	248227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	116710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	92089	48.424	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.840%		
35) Dibromofluoromethane	7.634	113	88285	51.177	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.360%		
50) Toluene-d8	10.109	98	360363	51.005	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.000%		
62) 4-Bromofluorobenzene	12.408	95	108916	48.635	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.280%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	80453	44.310	ug/l	100
3) Chloromethane	2.068	50	224465	58.769	ug/l	98
4) Vinyl Chloride	2.202	62	267746	62.745	ug/l	97
5) Bromomethane	2.598	94	245209	70.589	ug/l	97
6) Chloroethane	2.733	64	192190	72.395	ug/l	97
7) Trichlorofluoromethane	3.050	101	246276	57.003	ug/l	98
8) Diethyl Ether	3.458	74	47968	46.264	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	92483	49.308	ug/l	99
10) Methyl Iodide	4.007	142	111664	51.438	ug/l	99
11) Tert butyl alcohol	4.878	59	31039	213.733	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	93844	50.419	ug/l	93
13) Acrolein	3.659	56	24222	114.092	ug/l	100
14) Allyl chloride	4.385	41	143684	44.026	ug/l	94
15) Acrylonitrile	5.067	53	97882	229.112	ug/l	99
16) Acetone	3.873	43	70221	196.925	ug/l	99
17) Carbon Disulfide	4.104	76	290831	47.917	ug/l	97
18) Methyl Acetate	4.391	43	50294	44.734	ug/l	92
19) Methyl tert-butyl Ether	5.116	73	245445	47.825	ug/l	98
20) Methylene Chloride	4.610	84	102418	44.450	ug/l	90
21) trans-1,2-Dichloroethene	5.116	96	102179	49.735	ug/l	98
22) Diisopropyl ether	6.025	45	316632	45.942	ug/l	98
23) Vinyl Acetate	5.964	43	904893	217.328	ug/l	96
24) 1,1-Dichloroethane	5.921	63	188990	49.083	ug/l	99
25) 2-Butanone	6.896	43	122015	204.563	ug/l	97
26) 2,2-Dichloropropane	6.884	77	167265	48.841	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	118334	49.913	ug/l	98
28) Bromochloromethane	7.244	49	81534	49.644	ug/l	97
29) Tetrahydrofuran	7.268	42	82325	214.534	ug/l	95
30) Chloroform	7.421	83	187229	50.694	ug/l	96
31) Cyclohexane	7.707	56	169821	44.142	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	166864	49.246	ug/l	99
36) 1,1-Dichloropropene	7.835	75	140269	49.365	ug/l	99
37) Ethyl Acetate	6.988	43	59717	43.679	ug/l	98
38) Carbon Tetrachloride	7.823	117	145598	49.502	ug/l	99
39) Methylcyclohexane	9.109	83	181025	47.420	ug/l	99
40) Benzene	8.085	78	422563	50.165	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.250	41	41100m	45.320	ug/l	
42) 1,2-Dichloroethane	8.158	62	109831	48.215	ug/l	100
43) Isopropyl Acetate	8.201	43	129856	43.552	ug/l #	86
44) Trichloroethene	8.866	130	104360	49.826	ug/l	96
45) 1,2-Dichloropropane	9.146	63	99325	48.909	ug/l	97
46) Dibromomethane	9.231	93	53073	48.453	ug/l	98
47) Bromodichloromethane	9.426	83	141153	49.674	ug/l	99
48) Methyl methacrylate	9.219	41	59073	42.365	ug/l	93
49) 1,4-Dioxane	9.244	88	11436	924.183	ug/l	91
51) 4-Methyl-2-Pentanone	9.999	43	315507	215.658	ug/l	96
52) Toluene	10.170	92	262126	49.142	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	131314	47.352	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	153782	48.401	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	69194	49.332	ug/l	97
56) Ethyl methacrylate	10.438	69	101849	46.616	ug/l	96
57) 1,3-Dichloropropane	10.719	76	121587	48.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	240643	245.385	ug/l	99
59) 2-Hexanone	10.762	43	208813	212.876	ug/l	98
60) Dibromochloromethane	10.914	129	90965	49.966	ug/l	99
61) 1,2-Dibromoethane	11.018	107	65188	49.865	ug/l	98
64) Tetrachloroethene	10.652	164	111707	48.687	ug/l	98
65) Chlorobenzene	11.444	112	273641	48.862	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	95250	49.474	ug/l	99
67) Ethyl Benzene	11.524	91	514483	49.054	ug/l	98
68) m/p-Xylenes	11.633	106	386655	97.836	ug/l	98
69) o-Xylene	11.956	106	185725	49.670	ug/l	97
70) Styrene	11.969	104	309526	49.073	ug/l	98
71) Bromoform	12.133	173	48172	46.356	ug/l #	97
73) Isopropylbenzene	12.255	105	479821	49.625	ug/l	100
74) N-amyl acetate	12.072	43	118933	43.009	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	71286	47.940	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	51423m	43.491	ug/l	
77) Bromobenzene	12.536	156	100099	48.472	ug/l	98
78) n-propylbenzene	12.597	91	576083	49.396	ug/l	100
79) 2-Chlorotoluene	12.682	91	306662	47.849	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	380802	48.789	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	25850	44.288	ug/l	96
82) 4-Chlorotoluene	12.780	91	315707	47.891	ug/l	98
83) tert-Butylbenzene	12.999	119	335092	48.304	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	379530	48.985	ug/l	98
85) sec-Butylbenzene	13.176	105	510607	49.584	ug/l	100
86) p-Isopropyltoluene	13.292	119	426733	49.271	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	206836	49.063	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	200010	49.324	ug/l	98
89) n-Butylbenzene	13.621	91	410025	50.042	ug/l	98
90) Hexachloroethane	13.883	117	84048	48.074	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	174078	49.160	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11212	46.759	ug/l	94
93) 1,2,4-Trichlorobenzene	14.925	180	97466	47.650	ug/l	98
94) Hexachlorobutadiene	15.023	225	53367	46.785	ug/l	99
95) Naphthalene	15.145	128	180001	46.373	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	81475	46.954	ug/l	100

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

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