

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022405.D
 Acq On : 22 May 2025 18:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:42:17 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	7.720	168	158331	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	277918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	240702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	115598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	92514	53.464	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.920%	
35) Dibromofluoromethane	7.646	113	89001	53.655	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.300%	
50) Toluene-d8	10.115	98	351823	51.787	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.580%	
62) 4-Bromofluorobenzene	12.414	95	109017	50.627	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.260%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	72927	44.141	ug/l	99
3) Chloromethane	2.074	50	182588	52.538	ug/l	100
4) Vinyl Chloride	2.208	62	224805	57.898	ug/l	98
5) Bromomethane	2.605	94	184793	58.464	ug/l	98
6) Chloroethane	2.739	64	144817	59.952	ug/l	97
7) Trichlorofluoromethane	3.062	101	187884	47.793	ug/l	100
8) Diethyl Ether	3.464	74	47470	50.317	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.830	101	84147	49.306	ug/l	99
10) Methyl Iodide	4.019	142	107766	54.558	ug/l	98
11) Tert butyl alcohol	4.885	59	29634	224.261	ug/l #	100
12) 1,1-Dichloroethene	3.800	96	84912	50.137	ug/l	94
13) Acrolein	3.659	56	18954	98.117	ug/l	98
14) Allyl chloride	4.397	41	128851	43.390	ug/l	91
15) Acrylonitrile	5.074	53	93760	241.192	ug/l	99
16) Acetone	3.885	43	68707	211.756	ug/l	98
17) Carbon Disulfide	4.117	76	263794	47.765	ug/l	99
18) Methyl Acetate	4.397	43	62467	61.062	ug/l	92
19) Methyl tert-butyl Ether	5.129	73	234513	50.219	ug/l	99
20) Methylene Chloride	4.629	84	96927	46.231	ug/l	93
21) trans-1,2-Dichloroethene	5.129	96	96420	51.579	ug/l	93
22) Diisopropyl ether	6.031	45	291831	46.536	ug/l	98
23) Vinyl Acetate	5.976	43	787519	207.864	ug/l	97
24) 1,1-Dichloroethane	5.927	63	177099	50.548	ug/l	98
25) 2-Butanone	6.909	43	116670	214.968	ug/l	95
26) 2,2-Dichloropropane	6.897	77	140259	45.010	ug/l	98
27) cis-1,2-Dichloroethene	6.903	96	112677	52.233	ug/l	95
28) Bromochloromethane	7.256	49	74479	49.838	ug/l	93
29) Tetrahydrofuran	7.274	42	78646	225.238	ug/l	92
30) Chloroform	7.433	83	178067	52.987	ug/l	99
31) Cyclohexane	7.713	56	150998	43.136	ug/l	94
32) 1,1,1-Trichloroethane	7.628	97	155844	50.547	ug/l	98
36) 1,1-Dichloropropene	7.848	75	127354	46.612	ug/l	99
37) Ethyl Acetate	7.000	43	54489	41.449	ug/l	97
38) Carbon Tetrachloride	7.829	117	132756	46.941	ug/l	96
39) Methylcyclohexane	9.116	83	165073	44.971	ug/l	96
40) Benzene	8.091	78	400359	49.429	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	37729m	43.266	ug/l	
42) 1,2-Dichloroethane	8.165	62	104992	47.934	ug/l	100
43) Isopropyl Acetate	8.207	43	121506	42.381	ug/l #	85
44) Trichloroethene	8.872	130	98950	49.133	ug/l	100
45) 1,2-Dichloropropane	9.152	63	94269	48.275	ug/l	96
46) Dibromomethane	9.238	93	51844	49.224	ug/l	98
47) Bromodichloromethane	9.433	83	135247	49.498	ug/l	100
48) Methyl methacrylate	9.231	41	56535	42.166	ug/l	90
49) 1,4-Dioxane	9.238	88	11311	950.632	ug/l	88
51) 4-Methyl-2-Pentanone	10.006	43	305566	217.215	ug/l	96
52) Toluene	10.176	92	251856	49.104	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	122854	46.073	ug/l	99
54) cis-1,3-Dichloropropene	9.866	75	142769	46.732	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	66264	49.132	ug/l	97
56) Ethyl methacrylate	10.445	69	95224	45.326	ug/l	95
57) 1,3-Dichloropropane	10.725	76	116092	48.446	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	246459	261.365	ug/l	97
59) 2-Hexanone	10.768	43	197602	209.502	ug/l	95
60) Dibromochloromethane	10.920	129	86856	49.616	ug/l	99
61) 1,2-Dibromoethane	11.024	107	62078	49.384	ug/l	99
64) Tetrachloroethene	10.652	164	106790	47.999	ug/l	97
65) Chlorobenzene	11.451	112	263979	48.611	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	90269	48.352	ug/l	99
67) Ethyl Benzene	11.524	91	484553	47.644	ug/l	98
68) m/p-Xylenes	11.633	106	371517	96.944	ug/l	96
69) o-Xylene	11.963	106	178149	49.134	ug/l	97
70) Styrene	11.975	104	297464	48.635	ug/l	97
71) Bromoform	12.139	173	47141	46.782	ug/l #	99
73) Isopropylbenzene	12.261	105	456041	47.620	ug/l	100
74) N-amyl acetate	12.079	43	108763	39.709	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	69516	47.199	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	53768m	45.911	ug/l	
77) Bromobenzene	12.536	156	98286	48.052	ug/l	95
78) n-propylbenzene	12.603	91	542282	46.945	ug/l	99
79) 2-Chlorotoluene	12.688	91	294451	46.385	ug/l	97
80) 1,3,5-Trimethylbenzene	12.743	105	359456	46.497	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	22349	38.658	ug/l	100
82) 4-Chlorotoluene	12.786	91	298647	45.739	ug/l	98
83) tert-Butylbenzene	13.005	119	324795	47.270	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	364391	47.483	ug/l	98
85) sec-Butylbenzene	13.182	105	483675	47.420	ug/l	100
86) p-Isopropyltoluene	13.298	119	399718	46.596	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	194701	46.629	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	189952	47.294	ug/l	98
89) n-Butylbenzene	13.621	91	372306	45.875	ug/l	99
90) Hexachloroethane	13.883	117	81079	46.822	ug/l	96
91) 1,2-Dichlorobenzene	13.664	146	166976	47.608	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	10884	45.828	ug/l	97
93) 1,2,4-Trichlorobenzene	14.926	180	93449	46.126	ug/l	98
94) Hexachlorobutadiene	15.029	225	48651	43.061	ug/l	99
95) Naphthalene	15.151	128	187979	48.894	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	81405	47.365	ug/l	99

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

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