

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021499.D
 Acq On : 11 Mar 2025 20:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/12/2025
 Supervised By :Mahesh Dadoda 03/12/2025

Quant Time: Mar 12 01:27:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	188286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	313657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	289868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116217	58.398	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.800%			
35) Dibromofluoromethane	7.634	113	109801	53.257	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.520%			
50) Toluene-d8	10.103	98	400359	51.287	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.580%			
62) 4-Bromofluorobenzene	12.402	95	142925	53.825	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	78402	45.376	ug/l	98
3) Chloromethane	2.068	50	136719	56.124	ug/l	97
4) Vinyl Chloride	2.202	62	147372	55.360	ug/l	96
5) Bromomethane	2.592	94	105375	54.769	ug/l	96
6) Chloroethane	2.733	64	110523	62.825	ug/l	98
7) Trichlorofluoromethane	3.056	101	207743	55.910	ug/l	99
8) Diethyl Ether	3.452	74	66874	64.944	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	104015	49.031	ug/l	98
10) Methyl Iodide	4.007	142	137756	63.881	ug/l	99
11) Tert butyl alcohol	4.854	59	38079	298.685	ug/l	97
12) 1,1-Dichloroethene	3.787	96	100716	52.074	ug/l	96
13) Acrolein	3.647	56	3581	35.378	ug/l	86
14) Allyl chloride	4.385	41	171893	54.995	ug/l	99
15) Acrylonitrile	5.055	53	138284	315.472	ug/l	99
16) Acetone	3.867	43	107733	248.203	ug/l	98
17) Carbon Disulfide	4.104	76	320160	52.820	ug/l	100
18) Methyl Acetate	4.385	43	78101	81.095	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	300736	61.348	ug/l	97
20) Methylene Chloride	4.616	84	126326	55.444	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	120218	55.501	ug/l	97
22) Diisopropyl ether	6.019	45	417685	62.008	ug/l	95
23) Vinyl Acetate	5.958	43	1142164	297.109	ug/l	98
24) 1,1-Dichloroethane	5.915	63	230679	58.024	ug/l	99
25) 2-Butanone	6.896	43	176501	293.960	ug/l	98
26) 2,2-Dichloropropane	6.884	77	152073	41.573	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	147390	59.898	ug/l	94
28) Bromochloromethane	7.244	49	94791	56.873	ug/l	99
29) Tetrahydrofuran	7.262	42	119989	323.706	ug/l	100
30) Chloroform	7.421	83	244324	59.184	ug/l	99
31) Cyclohexane	7.701	56	173813	46.635	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	205643	54.404	ug/l	99
36) 1,1-Dichloropropene	7.835	75	157953	48.944	ug/l	99
37) Ethyl Acetate	6.982	43	82713	57.987	ug/l	98
38) Carbon Tetrachloride	7.817	117	181272	48.840	ug/l	99
39) Methylcyclohexane	9.110	83	180602	45.623	ug/l	99
40) Benzene	8.079	78	512877	53.949	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	45472	58.547	ug/l #	95
42) 1,2-Dichloroethane	8.158	62	151074	56.805	ug/l	100
43) Isopropyl Acetate	8.195	43	160462	57.950	ug/l #	87
44) Trichloroethene	8.866	130	125673	52.313	ug/l	100
45) 1,2-Dichloropropane	9.140	63	127757	56.465	ug/l	96
46) Dibromomethane	9.231	93	74404	59.101	ug/l	99
47) Bromodichloromethane	9.420	83	190927	57.107	ug/l	99
48) Methyl methacrylate	9.219	41	77903	61.268	ug/l	98
49) 1,4-Dioxane	9.225	88	15845	1282.286	ug/l #	95
51) 4-Methyl-2-Pentanone	10.000	43	441345	308.912	ug/l	99
52) Toluene	10.170	92	325440	54.298	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	161522	54.836	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	189471	54.179	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	96857	58.815	ug/l	96
56) Ethyl methacrylate	10.439	69	128726	61.290	ug/l	98
57) 1,3-Dichloropropane	10.713	76	167097	58.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	288805	297.880	ug/l	100
59) 2-Hexanone	10.762	43	292190	309.295	ug/l	98
60) Dibromochloromethane	10.908	129	130250	57.692	ug/l	99
61) 1,2-Dibromoethane	11.012	107	90557	58.264	ug/l	98
64) Tetrachloroethene	10.646	164	127051	53.901	ug/l	96
65) Chlorobenzene	11.438	112	355752	51.972	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	129115	53.352	ug/l	99
67) Ethyl Benzene	11.518	91	623698	51.912	ug/l	100
68) m/p-Xylenes	11.627	106	475079	104.154	ug/l	99
69) o-Xylene	11.957	106	226543	53.889	ug/l	99
70) Styrene	11.969	104	388743	55.741	ug/l	100
71) Bromoform	12.133	173	76254	56.365	ug/l #	98
73) Isopropylbenzene	12.255	105	582740	49.261	ug/l	100
74) N-amyl acetate	12.066	43	139593	54.335	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	110486	52.927	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	75385m	49.815	ug/l	
77) Bromobenzene	12.530	156	143032	51.682	ug/l	100
78) n-propylbenzene	12.597	91	701944	48.859	ug/l	100
79) 2-Chlorotoluene	12.676	91	412779	50.248	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	485000	50.450	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	28546	42.883	ug/l	98
82) 4-Chlorotoluene	12.774	91	430906	50.655	ug/l	100
83) tert-Butylbenzene	12.999	119	431007	50.256	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	488627	51.192	ug/l	99
85) sec-Butylbenzene	13.176	105	610525	47.846	ug/l	99
86) p-Isopropyltoluene	13.292	119	512282	48.731	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	277991	50.462	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	273208	50.710	ug/l	100
89) n-Butylbenzene	13.615	91	468058	48.218	ug/l	99
90) Hexachloroethane	13.877	117	108319	48.300	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	244394	51.760	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	16529	52.858	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	133790	51.877	ug/l	99
94) Hexachlorobutadiene	15.023	225	75124	46.470	ug/l	98
95) Naphthalene	15.145	128	233100	53.067	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	114565	52.818	ug/l	99

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

