

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
 Data File : VY021863.D
 Acq On : 11 Apr 2025 16:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/14/2025
 Supervised By :Semsettin Yesilyurt 04/14/2025

Quant Time: Apr 12 05:23:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	248968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	383813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	351068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	183704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	127888	47.410	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.820%			
35) Dibromofluoromethane	7.634	113	125237	50.301	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.600%			
50) Toluene-d8	10.109	98	470108	49.633	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.260%			
62) 4-Bromofluorobenzene	12.407	95	165267	51.585	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	122600	47.510	ug/l	99
3) Chloromethane	2.068	50	160390	44.202	ug/l	100
4) Vinyl Chloride	2.202	62	184940	45.068	ug/l	98
5) Bromomethane	2.592	94	122180	43.655	ug/l	99
6) Chloroethane	2.732	64	123558	46.015	ug/l	100
7) Trichlorofluoromethane	3.055	101	256723	48.837	ug/l	98
8) Diethyl Ether	3.458	74	70591	49.380	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	141418	51.008	ug/l	98
10) Methyl Iodide	4.007	142	174424	57.347	ug/l	100
11) Tert butyl alcohol	4.866	59	40740	232.522	ug/l	99
12) 1,1-Dichloroethene	3.793	96	130888	50.121	ug/l	94
13) Acrolein	3.653	56	19523	61.024	ug/l	93
14) Allyl chloride	4.385	41	205189	49.280	ug/l	99
15) Acrylonitrile	5.061	53	152049	254.738	ug/l	100
16) Acetone	3.872	43	111634	202.209	ug/l	96
17) Carbon Disulfide	4.104	76	397484	46.212	ug/l	99
18) Methyl Acetate	4.391	43	89546	65.445	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	342850	52.733	ug/l	96
20) Methylene Chloride	4.616	84	147922	55.155	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	145689	50.670	ug/l	99
22) Diisopropyl ether	6.018	45	453093	51.875	ug/l	97
23) Vinyl Acetate	5.957	43	1235789	241.854	ug/l	99
24) 1,1-Dichloroethane	5.915	63	264528	50.649	ug/l	98
25) 2-Butanone	6.896	43	187583	237.890	ug/l	100
26) 2,2-Dichloropropane	6.884	77	228231	49.127	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	170230	52.646	ug/l	97
28) Bromochloromethane	7.244	49	110853	50.328	ug/l	95
29) Tetrahydrofuran	7.262	42	125191	246.687	ug/l	96
30) Chloroform	7.421	83	279332	51.422	ug/l	93
31) Cyclohexane	7.701	56	226431	47.560	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	252327	51.394	ug/l	99
36) 1,1-Dichloropropene	7.835	75	195720	51.610	ug/l	99
37) Ethyl Acetate	6.982	43	88268	49.319	ug/l	100
38) Carbon Tetrachloride	7.817	117	230129	52.983	ug/l	99
39) Methylcyclohexane	9.109	83	236631	52.234	ug/l	99
40) Benzene	8.079	78	596553	52.528	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	45303	47.664	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	165899	51.817	ug/l	100
43) Isopropyl Acetate	8.201	43	172013	50.717	ug/l	98
44) Trichloroethene	8.865	130	156301	54.016	ug/l	99
45) 1,2-Dichloropropane	9.140	63	142669	53.072	ug/l	100
46) Dibromomethane	9.231	93	83067	53.616	ug/l	99
47) Bromodichloromethane	9.426	83	214746	53.493	ug/l	99
48) Methyl methacrylate	9.219	41	82077	52.727	ug/l	97
49) 1,4-Dioxane	9.231	88	17779	1071.224	ug/l	91
51) 4-Methyl-2-Pentanone	9.999	43	472128	267.493	ug/l	99
52) Toluene	10.170	92	383715	54.154	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	188674	52.913	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	219434	52.164	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	109209	54.775	ug/l	98
56) Ethyl methacrylate	10.438	69	146126	57.399	ug/l	96
57) 1,3-Dichloropropane	10.719	76	185029	53.736	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	336283	270.776	ug/l	98
59) 2-Hexanone	10.761	43	316903	269.597	ug/l	99
60) Dibromochloromethane	10.914	129	149326	54.856	ug/l	100
61) 1,2-Dibromoethane	11.017	107	100948	53.974	ug/l	98
64) Tetrachloroethene	10.646	164	176183	55.101	ug/l	99
65) Chlorobenzene	11.444	112	419527	52.130	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	150724	52.787	ug/l	99
67) Ethyl Benzene	11.517	91	731336	52.996	ug/l	99
68) m/p-Xylenes	11.627	106	570656	107.989	ug/l	98
69) o-Xylene	11.956	106	263746	54.070	ug/l	99
70) Styrene	11.969	104	453964	55.817	ug/l	99
71) Bromoform	12.133	173	87144	53.505	ug/l	98
73) Isopropylbenzene	12.255	105	704687	51.647	ug/l	100
74) N-amyl acetate	12.072	43	160790	50.212	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	115599	47.123	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	93400m	51.291	ug/l	
77) Bromobenzene	12.529	156	167277	51.061	ug/l	98
78) n-propylbenzene	12.596	91	848941	51.753	ug/l	100
79) 2-Chlorotoluene	12.682	91	484804	50.884	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	581639	52.158	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	36928	46.727	ug/l	99
82) 4-Chlorotoluene	12.779	91	506324	50.974	ug/l	99
83) tert-Butylbenzene	12.999	119	515927	51.943	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	588121	53.361	ug/l	100
85) sec-Butylbenzene	13.176	105	757128	52.160	ug/l	99
86) p-Isopropyltoluene	13.291	119	637973	53.177	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	333490	51.669	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	324393	50.870	ug/l	99
89) n-Butylbenzene	13.621	91	581260	52.389	ug/l	100
90) Hexachloroethane	13.883	117	134271	51.073	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	294055	52.336	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19648	51.677	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	174560	57.291	ug/l	99
94) Hexachlorobutadiene	15.023	225	106544	55.990	ug/l	98
95) Naphthalene	15.145	128	324052	64.164	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	154353	59.406	ug/l	99

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

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