

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021125\
 Data File : VY021164.D
 Acq On : 11 Feb 2025 10:35
 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 :Romaben Patel 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 00:59:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	134661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	203688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	178347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	88346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	74718	54.155	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.300%			
35) Dibromofluoromethane	7.646	113	69857	53.515	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.040%			
50) Toluene-d8	10.115	98	267540	53.835	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.680%			
62) 4-Bromofluorobenzene	12.414	95	90989	56.043	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	55941	46.609	ug/l	97
3) Chloromethane	2.080	50	51307	43.321	ug/l	98
4) Vinyl Chloride	2.214	62	52398	43.955	ug/l	99
5) Bromomethane	2.611	94	31274	42.447	ug/l	94
6) Chloroethane	2.751	64	32006	45.104	ug/l	99
7) Trichlorofluoromethane	3.074	101	97600	44.941	ug/l	99
8) Diethyl Ether	3.470	74	29298	43.214	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.836	101	62260	45.678	ug/l	96
10) Methyl Iodide	4.025	142	66104	43.653	ug/l	91
11) Tert butyl alcohol	4.879	59	19284	206.253	ug/l	96
12) 1,1-Dichloroethene	3.806	96	57513	44.793	ug/l	89
13) Acrolein	3.671	56	24396	169.447	ug/l	100
14) Allyl chloride	4.403	41	99230	45.856	ug/l	94
15) Acrylonitrile	5.080	53	66537	235.680	ug/l	97
16) Acetone	3.885	43	52954	246.111	ug/l	94
17) Carbon Disulfide	4.123	76	175083	43.486	ug/l	99
18) Methyl Acetate	4.403	43	37126	49.153	ug/l	98
19) Methyl tert-butyl Ether	5.135	73	153715	47.366	ug/l	98
20) Methylene Chloride	4.641	84	60575	45.287	ug/l	98
21) trans-1,2-Dichloroethene	5.135	96	63342	44.818	ug/l	95
22) Diisopropyl ether	6.037	45	211758	47.476	ug/l	98
23) Vinyl Acetate	5.976	43	597221	240.190	ug/l	99
24) 1,1-Dichloroethane	5.933	63	120412	46.078	ug/l	99
25) 2-Butanone	6.909	43	85465	241.720	ug/l	98
26) 2,2-Dichloropropane	6.903	77	111243	46.006	ug/l	97
27) cis-1,2-Dichloroethene	6.909	96	73586	45.234	ug/l	92
28) Bromochloromethane	7.256	49	54851	53.081	ug/l	98
29) Tetrahydrofuran	7.274	42	56707	237.021	ug/l	96
30) Chloroform	7.433	83	123729	46.095	ug/l	99
31) Cyclohexane	7.720	56	101966	43.329	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	116310	46.606	ug/l	99
36) 1,1-Dichloropropene	7.848	75	91210	47.174	ug/l	99
37) Ethyl Acetate	7.000	43	41749	49.221	ug/l	99
38) Carbon Tetrachloride	7.829	117	107251	47.473	ug/l	97
39) Methylcyclohexane	9.122	83	112159	47.424	ug/l	98
40) Benzene	8.091	78	265230	46.744	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	23591	48.075	ug/l	97
42) 1,2-Dichloroethane	8.171	62	75417	47.914	ug/l	97
43) Isopropyl Acetate	8.207	43	81398	48.296	ug/l	96
44) Trichloroethene	8.878	130	67699	46.181	ug/l	95
45) 1,2-Dichloropropane	9.152	63	61839	45.917	ug/l	99
46) Dibromomethane	9.244	93	35369	47.433	ug/l	96
47) Bromodichloromethane	9.433	83	94861	47.435	ug/l	97
48) Methyl methacrylate	9.231	41	38079	49.601	ug/l	94
49) 1,4-Dioxane	9.244	88	6953	1001.647	ug/l	99
51) 4-Methyl-2-Pentanone	10.006	43	211441	249.479	ug/l	96
52) Toluene	10.182	92	167998	47.154	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	87385	48.664	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	100508	47.273	ug/l	93
55) 1,1,2-Trichloroethane	10.585	97	46234	47.881	ug/l	98
56) Ethyl methacrylate	10.451	69	62955	48.736	ug/l	89
57) 1,3-Dichloropropane	10.725	76	80452	48.137	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	148924	242.334	ug/l	100
59) 2-Hexanone	10.768	43	139898	256.369	ug/l	95
60) Dibromochloromethane	10.920	129	64076	47.253	ug/l	99
61) 1,2-Dibromoethane	11.024	107	42461	46.947	ug/l	99
64) Tetrachloroethene	10.658	164	60323	45.563	ug/l	94
65) Chlorobenzene	11.451	112	181180	45.624	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	65706	46.559	ug/l	98
67) Ethyl Benzene	11.530	91	331317	47.169	ug/l	99
68) m/p-Xylenes	11.640	106	246888	93.957	ug/l	98
69) o-Xylene	11.963	106	114527	46.749	ug/l	95
70) Styrene	11.981	104	193644	47.425	ug/l	98
71) Bromoform	12.139	173	37721	48.020	ug/l #	99
73) Isopropylbenzene	12.267	105	316021	45.793	ug/l	100
74) N-amyl acetate	12.079	43	71295	47.254	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.517	83	51918	45.235	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	35933m	44.837	ug/l	
77) Bromobenzene	12.542	156	70546	44.298	ug/l	95
78) n-propylbenzene	12.603	91	379144	46.120	ug/l	98
79) 2-Chlorotoluene	12.688	91	213445	45.333	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	260937	46.636	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	18222	46.395	ug/l	95
82) 4-Chlorotoluene	12.786	91	219580	45.773	ug/l	100
83) tert-Butylbenzene	13.005	119	230877	45.397	ug/l	96
84) 1,2,4-Trimethylbenzene	13.054	105	257928	47.146	ug/l	99
85) sec-Butylbenzene	13.182	105	337034	46.038	ug/l	98
86) p-Isopropyltoluene	13.298	119	283778	46.665	ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	138525	45.049	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	135894	44.884	ug/l	99
89) n-Butylbenzene	13.627	91	265661	47.886	ug/l	99
90) Hexachloroethane	13.889	117	57262	45.136	ug/l	85
91) 1,2-Dichlorobenzene	13.670	146	119559	44.797	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	7947	46.335	ug/l	96
93) 1,2,4-Trichlorobenzene	14.932	180	70447	47.420	ug/l	97
94) Hexachlorobutadiene	15.035	225	45927	46.652	ug/l	100
95) Naphthalene	15.157	128	116124	48.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	57799	46.751	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

