

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021225\
 Data File : VY021175.D
 Acq On : 12 Feb 2025 09:54
 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 02/13/2025
 Supervised By :Semsettin Yesilyurt 02/13/2025

Quant Time: Feb 13 03:44:29 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	7.719	168	137768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	207078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	181398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	89486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	78614	55.694	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.380%			
35) Dibromofluoromethane	7.652	113	73852	55.649	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.300%			
50) Toluene-d8	10.115	98	279297	55.281	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.560%			
62) 4-Bromofluorobenzene	12.414	95	97030	58.786	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	65030	52.960	ug/l	98
3) Chloromethane	2.080	50	59773	49.331	ug/l	98
4) Vinyl Chloride	2.214	62	62820	51.510	ug/l	98
5) Bromomethane	2.611	94	36680	48.662	ug/l	96
6) Chloroethane	2.751	64	37405	51.523	ug/l	99
7) Trichlorofluoromethane	3.074	101	116119	52.262	ug/l	100
8) Diethyl Ether	3.464	74	35758	51.553	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.830	101	73252	52.530	ug/l	97
10) Methyl Iodide	4.019	142	78658	50.772	ug/l	90
11) Tert butyl alcohol	4.872	59	25507	266.659	ug/l	97
12) 1,1-Dichloroethene	3.806	96	67005	51.009	ug/l	92
13) Acrolein	3.665	56	29696	201.608	ug/l	96
14) Allyl chloride	4.397	41	118070	53.332	ug/l	94
15) Acrylonitrile	5.074	53	84027	290.919	ug/l	99
16) Acetone	3.879	43	67865	308.299	ug/l	94
17) Carbon Disulfide	4.123	76	203745	49.464	ug/l	99
18) Methyl Acetate	4.403	43	47335	61.256	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	185817	55.967	ug/l	99
20) Methylene Chloride	4.629	84	69981	51.140	ug/l	94
21) trans-1,2-Dichloroethene	5.135	96	75418	52.159	ug/l	92
22) Diisopropyl ether	6.037	45	251864	55.194	ug/l	98
23) Vinyl Acetate	5.976	43	726643	285.650	ug/l	98
24) 1,1-Dichloroethane	5.933	63	141344	52.868	ug/l	98
25) 2-Butanone	6.909	43	111144	307.258	ug/l	96
26) 2,2-Dichloropropane	6.903	77	133135	53.818	ug/l	97
27) cis-1,2-Dichloroethene	6.903	96	87479	52.561	ug/l	92
28) Bromochloromethane	7.262	49	56630	53.567	ug/l	98
29) Tetrahydrofuran	7.274	42	73676	301.003	ug/l	94
30) Chloroform	7.433	83	147069	53.555	ug/l	99
31) Cyclohexane	7.719	56	121876	50.622	ug/l	98
32) 1,1,1-Trichloroethane	7.634	97	137572	53.883	ug/l	99
36) 1,1-Dichloropropene	7.854	75	106460	54.160	ug/l	98
37) Ethyl Acetate	6.994	43	52310	60.662	ug/l	98
38) Carbon Tetrachloride	7.829	117	127497	55.511	ug/l	99
39) Methylcyclohexane	9.122	83	132359	55.049	ug/l	96
40) Benzene	8.091	78	312161	54.115	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	29607	59.347	ug/l	97
42) 1,2-Dichloroethane	8.171	62	89890	56.174	ug/l	96
43) Isopropyl Acetate	8.207	43	104365	60.910	ug/l	95
44) Trichloroethene	8.878	130	79255	53.179	ug/l	97
45) 1,2-Dichloropropane	9.152	63	74501	54.414	ug/l	100
46) Dibromomethane	9.244	93	42450	55.997	ug/l	97
47) Bromodichloromethane	9.433	83	112770	55.467	ug/l	96
48) Methyl methacrylate	9.231	41	47481	60.835	ug/l	94
49) 1,4-Dioxane	9.244	88	8495	1203.753	ug/l	97
51) 4-Methyl-2-Pentanone	10.006	43	270407	313.830	ug/l	96
52) Toluene	10.182	92	199416	55.056	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	105422	57.747	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	121126	56.037	ug/l #	91
55) 1,1,2-Trichloroethane	10.585	97	55010	56.038	ug/l	98
56) Ethyl methacrylate	10.451	69	79084	60.220	ug/l	90
57) 1,3-Dichloropropane	10.725	76	96799	56.970	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	172726	276.464	ug/l	99
59) 2-Hexanone	10.768	43	180041	324.531	ug/l	95
60) Dibromochloromethane	10.920	129	76207	55.279	ug/l	99
61) 1,2-Dibromoethane	11.024	107	52484	57.079	ug/l	97
64) Tetrachloroethene	10.658	164	70929	52.672	ug/l	98
65) Chlorobenzene	11.450	112	216635	53.634	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	78133	54.433	ug/l	98
67) Ethyl Benzene	11.530	91	390698	54.688	ug/l	99
68) m/p-Xylenes	11.639	106	290827	108.817	ug/l	96
69) o-Xylene	11.963	106	138164	55.448	ug/l	97
70) Styrene	11.981	104	232994	56.102	ug/l	98
71) Bromoform	12.139	173	46048	57.634	ug/l #	99
73) Isopropylbenzene	12.261	105	376275	53.830	ug/l	100
74) N-amyl acetate	12.078	43	89288	58.425	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.517	83	64272	55.286	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	45410m	55.941	ug/l	
77) Bromobenzene	12.542	156	83783	51.940	ug/l	95
78) n-propylbenzene	12.603	91	456699	54.847	ug/l	99
79) 2-Chlorotoluene	12.688	91	254698	53.405	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	308186	54.379	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.316	75	23635	59.411	ug/l	97
82) 4-Chlorotoluene	12.786	91	260069	53.522	ug/l	100
83) tert-Butylbenzene	13.005	119	270045	52.422	ug/l	94
84) 1,2,4-Trimethylbenzene	13.054	105	307884	55.561	ug/l	99
85) sec-Butylbenzene	13.188	105	402339	54.258	ug/l	98
86) p-Isopropyltoluene	13.304	119	339644	55.140	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	167634	53.821	ug/l	98
88) 1,4-Dichlorobenzene	13.377	146	163305	53.251	ug/l	99
89) n-Butylbenzene	13.627	91	317217	56.451	ug/l	99
90) Hexachloroethane	13.889	117	68764	53.512	ug/l	86
91) 1,2-Dichlorobenzene	13.670	146	143042	52.913	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	10399	59.859	ug/l	98
93) 1,2,4-Trichlorobenzene	14.932	180	85975	57.136	ug/l	98
94) Hexachlorobutadiene	15.035	225	54608	54.763	ug/l	99
95) Naphthalene	15.157	128	147831	61.406	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	71100	56.777	ug/l	96

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

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