

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021275.D
 Acq On : 21 Feb 2025 09:37
 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 02/24/2025
 Supervised By :Mahesh Dadoda 02/24/2025

Quant Time: Feb 21 23:01:54 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	7.726	168	134641	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	218893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	189433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	91135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	73499	53.279	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.560%			
35) Dibromofluoromethane	7.646	113	72342	51.569	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.140%			
50) Toluene-d8	10.115	98	262335	49.121	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.240%			
62) 4-Bromofluorobenzene	12.414	95	88447	50.693	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	53065	44.220	ug/l	92
3) Chloromethane	2.074	50	69096	58.350	ug/l	98
4) Vinyl Chloride	2.214	62	66919	56.145	ug/l	99
5) Bromomethane	2.611	94	38298	51.988	ug/l	94
6) Chloroethane	2.751	64	43771	61.692	ug/l	98
7) Trichlorofluoromethane	3.074	101	107727	49.611	ug/l	98
8) Diethyl Ether	3.464	74	37523	55.354	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.836	101	65425	48.007	ug/l	96
10) Methyl Iodide	4.019	142	76705	50.662	ug/l	92
11) Tert butyl alcohol	4.915	59	22221	237.701	ug/l	96
12) 1,1-Dichloroethene	3.806	96	65745	51.212	ug/l	86
13) Acrolein	3.665	56	22617	157.114	ug/l	94
14) Allyl chloride	4.397	41	122719	56.720	ug/l	93
15) Acrylonitrile	5.080	53	84424	299.082	ug/l	99
16) Acetone	3.897	43	62919	292.469	ug/l	93
17) Carbon Disulfide	4.123	76	188763	46.891	ug/l	98
18) Methyl Acetate	4.409	43	51748	68.522	ug/l	94
19) Methyl tert-butyl Ether	5.135	73	185238	57.088	ug/l	100
20) Methylene Chloride	4.635	84	78534	58.723	ug/l	90
21) trans-1,2-Dichloroethene	5.141	96	76055	53.821	ug/l	96
22) Diisopropyl ether	6.037	45	271476	60.874	ug/l	97
23) Vinyl Acetate	5.982	43	735278	295.758	ug/l	97
24) 1,1-Dichloroethane	5.933	63	149132	57.076	ug/l	98
25) 2-Butanone	6.915	43	105003	297.023	ug/l	96
26) 2,2-Dichloropropane	6.903	77	124428	51.467	ug/l	97
27) cis-1,2-Dichloroethene	6.909	96	90095	55.391	ug/l	94
28) Bromochloromethane	7.262	49	66949	64.798	ug/l	94
29) Tetrahydrofuran	7.281	42	70365	294.152	ug/l	94
30) Chloroform	7.439	83	152860	56.956	ug/l	99
31) Cyclohexane	7.720	56	108795	46.238	ug/l	93
32) 1,1,1-Trichloroethane	7.628	97	138665	55.572	ug/l	99
36) 1,1-Dichloropropene	7.848	75	105033	50.550	ug/l	98
37) Ethyl Acetate	7.000	43	50245	55.122	ug/l	98
38) Carbon Tetrachloride	7.835	117	121178	49.912	ug/l	99
39) Methylcyclohexane	9.122	83	115614	45.490	ug/l	99
40) Benzene	8.091	78	324187	53.166	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	31065	58.909	ug/l	94
42) 1,2-Dichloroethane	8.171	62	91794	54.268	ug/l	97
43) Isopropyl Acetate	8.213	43	101862	56.240	ug/l	96
44) Trichloroethene	8.878	130	79263	50.313	ug/l	98
45) 1,2-Dichloropropane	9.152	63	79921	55.222	ug/l	98
46) Dibromomethane	9.244	93	42419	52.936	ug/l	96
47) Bromodichloromethane	9.433	83	117853	54.838	ug/l	98
48) Methyl methacrylate	9.231	41	47593	57.687	ug/l	91
49) 1,4-Dioxane	9.262	88	8064	1081.002	ug/l #	87
51) 4-Methyl-2-Pentanone	10.006	43	269630	296.038	ug/l	95
52) Toluene	10.183	92	204505	53.414	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	104033	53.911	ug/l	99
54) cis-1,3-Dichloropropene	9.866	75	121404	53.134	ug/l #	90
55) 1,1,2-Trichloroethane	10.585	97	56063	54.028	ug/l	98
56) Ethyl methacrylate	10.451	69	78420	56.492	ug/l	88
57) 1,3-Dichloropropane	10.725	76	99821	55.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	198856	301.108	ug/l	98
59) 2-Hexanone	10.774	43	173136	295.239	ug/l	95
60) Dibromochloromethane	10.920	129	78064	53.569	ug/l	99
61) 1,2-Dibromoethane	11.024	107	51996	53.496	ug/l	100
64) Tetrachloroethene	10.658	164	69573	49.474	ug/l	97
65) Chlorobenzene	11.451	112	219066	51.935	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	80486	53.694	ug/l	98
67) Ethyl Benzene	11.530	91	396201	53.106	ug/l	99
68) m/p-Xylenes	11.640	106	293291	105.084	ug/l	96
69) o-Xylene	11.963	106	138811	53.345	ug/l	97
70) Styrene	11.981	104	236391	54.506	ug/l	99
71) Bromoform	12.146	173	45063	54.009	ug/l #	98
73) Isopropylbenzene	12.268	105	378285	53.138	ug/l	100
74) N-amyl acetate	12.079	43	88587	56.918	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.517	83	64872	54.792	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	44377m	53.679	ug/l	
77) Bromobenzene	12.542	156	84600	51.497	ug/l	96
78) n-propylbenzene	12.603	91	450276	53.097	ug/l	100
79) 2-Chlorotoluene	12.688	91	258141	53.148	ug/l	99
80) 1,3,5-Trimethylbenzene	12.749	105	307207	53.225	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.316	75	20989	51.805	ug/l	93
82) 4-Chlorotoluene	12.786	91	262361	53.017	ug/l	98
83) tert-Butylbenzene	13.005	119	276564	52.716	ug/l	96
84) 1,2,4-Trimethylbenzene	13.054	105	303836	53.838	ug/l	99
85) sec-Butylbenzene	13.188	105	402885	53.349	ug/l	98
86) p-Isopropyltoluene	13.304	119	332768	53.046	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	164144	51.747	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	160145	51.275	ug/l	99
89) n-Butylbenzene	13.627	91	297313	51.951	ug/l	99
90) Hexachloroethane	13.889	117	70386	53.783	ug/l	85
91) 1,2-Dichlorobenzene	13.670	146	144792	52.591	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	9715	54.910	ug/l	96
93) 1,2,4-Trichlorobenzene	14.932	180	80920	52.803	ug/l	98
94) Hexachlorobutadiene	15.035	225	52391	51.589	ug/l	100
95) Naphthalene	15.157	128	140532	57.318	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	67936	53.269	ug/l	96

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

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