

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
 Data File : VY021236.D
 Acq On : 19 Feb 2025 14:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/20/2025
 Supervised By :Mahesh Dadoda 02/20/2025

Quant Time: Feb 20 00:29:49 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	200462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	311138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	266562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	126814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	94135	45.832	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.660%		
35) Dibromofluoromethane	7.646	113	93179	46.730	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.460%		
50) Toluene-d8	10.115	98	340426	44.845	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.680%		
62) 4-Bromofluorobenzene	12.414	95	117047	47.196	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	77551	43.405	ug/l	98
3) Chloromethane	2.074	50	86476	49.049	ug/l	97
4) Vinyl Chloride	2.214	62	93493	52.685	ug/l	97
5) Bromomethane	2.611	94	53715	48.974	ug/l	97
6) Chloroethane	2.745	64	57311	54.253	ug/l	99
7) Trichlorofluoromethane	3.068	101	161473	49.946	ug/l	97
8) Diethyl Ether	3.464	74	52022	51.545	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.830	101	98042	48.319	ug/l	96
10) Methyl Iodide	4.019	142	110553	49.042	ug/l	93
11) Tert butyl alcohol	4.903	59	31554	226.709	ug/l #	89
12) 1,1-Dichloroethene	3.805	96	91137	47.682	ug/l	92
13) Acrolein	3.665	56	38701	180.571	ug/l	99
14) Allyl chloride	4.397	41	164021	50.917	ug/l	95
15) Acrylonitrile	5.080	53	106975	254.538	ug/l	99
16) Acetone	3.891	43	83071	259.354	ug/l	99
17) Carbon Disulfide	4.122	76	255144	42.570	ug/l	99
18) Methyl Acetate	4.403	43	60873	54.139	ug/l	98
19) Methyl tert-butyl Ether	5.134	73	250004	51.750	ug/l	96
20) Methylene Chloride	4.628	84	98938	49.688	ug/l	94
21) trans-1,2-Dichloroethene	5.128	96	100860	47.939	ug/l	94
22) Diisopropyl ether	6.031	45	349042	52.568	ug/l	98
23) Vinyl Acetate	5.976	43	959119	259.121	ug/l	99
24) 1,1-Dichloroethane	5.927	63	195868	50.349	ug/l	98
25) 2-Butanone	6.909	43	135277	257.014	ug/l	98
26) 2,2-Dichloropropane	6.902	77	178662	49.635	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	120858	49.906	ug/l	92
28) Bromochloromethane	7.256	49	78475	51.015	ug/l	98
29) Tetrahydrofuran	7.280	42	90325	253.611	ug/l	95
30) Chloroform	7.433	83	200620	50.208	ug/l	99
31) Cyclohexane	7.713	56	162999	46.529	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	185557	49.948	ug/l	100
36) 1,1-Dichloropropene	7.847	75	142250	48.164	ug/l	99
37) Ethyl Acetate	7.000	43	66109	51.024	ug/l	99
38) Carbon Tetrachloride	7.829	117	167388	48.505	ug/l	99
39) Methylcyclohexane	9.122	83	180580	49.986	ug/l	96
40) Benzene	8.091	78	424435	48.970	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	38118	50.853	ug/l	94
42) 1,2-Dichloroethane	8.170	62	119521	49.711	ug/l	97
43) Isopropyl Acetate	8.207	43	135143	52.494	ug/l #	84
44) Trichloroethene	8.878	130	109079	48.712	ug/l	96
45) 1,2-Dichloropropane	9.152	63	105592	51.328	ug/l	96
46) Dibromomethane	9.237	93	55920	49.095	ug/l	96
47) Bromodichloromethane	9.432	83	154682	50.636	ug/l	97
48) Methyl methacrylate	9.231	41	63766	54.376	ug/l	94
49) 1,4-Dioxane	9.250	88	11020	1039.289	ug/l	92
51) 4-Methyl-2-Pentanone	10.006	43	338455	261.432	ug/l	98
52) Toluene	10.182	92	270409	49.688	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	143554	52.336	ug/l	98
54) cis-1,3-Dichloropropene	9.865	75	167429	51.553	ug/l	92
55) 1,1,2-Trichloroethane	10.579	97	73589	49.892	ug/l	99
56) Ethyl methacrylate	10.444	69	106288	53.867	ug/l #	89
57) 1,3-Dichloropropane	10.725	76	132165	51.769	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	290576	309.543	ug/l	99
59) 2-Hexanone	10.768	43	223757	268.437	ug/l	96
60) Dibromochloromethane	10.920	129	105589	50.976	ug/l	85
61) 1,2-Dibromoethane	11.024	107	67805	49.079	ug/l	99
64) Tetrachloroethene	10.658	164	94893	47.954	ug/l	96
65) Chlorobenzene	11.450	112	295517	49.788	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	105626	50.076	ug/l	98
67) Ethyl Benzene	11.530	91	530991	50.579	ug/l	99
68) m/p-Xylenes	11.639	106	391171	99.601	ug/l	96
69) o-Xylene	11.962	106	188775	51.555	ug/l	98
70) Styrene	11.981	104	315025	51.620	ug/l	98
71) Bromoform	12.145	173	58498	49.825	ug/l #	99
73) Isopropylbenzene	12.261	105	525075	53.006	ug/l	85
74) N-amyl acetate	12.078	43	117988	54.480	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.517	83	81571	49.512	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	55126m	47.921	ug/l	
77) Bromobenzene	12.542	156	112364	49.154	ug/l	96
78) n-propylbenzene	12.603	91	605704	51.330	ug/l	99
79) 2-Chlorotoluene	12.688	91	341745	50.565	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	406625	50.629	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.316	75	119661	212.252	ug/l #	48
82) 4-Chlorotoluene	12.786	91	373956	54.307	ug/l	95
83) tert-Butylbenzene	13.005	119	371033	50.825	ug/l	95
84) 1,2,4-Trimethylbenzene	13.054	105	405711	51.664	ug/l	100
85) sec-Butylbenzene	13.182	105	547941	52.143	ug/l	99
86) p-Isopropyltoluene	13.298	119	451592	51.734	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	220193	49.887	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	214096	49.263	ug/l	100
89) n-Butylbenzene	13.627	91	426856	53.602	ug/l	99
90) Hexachloroethane	13.889	117	93847	51.535	ug/l	86
91) 1,2-Dichlorobenzene	13.669	146	190520	49.731	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	12977	52.711	ug/l	97
93) 1,2,4-Trichlorobenzene	14.931	180	115371	54.103	ug/l	99
94) Hexachlorobutadiene	15.035	225	73405	51.945	ug/l	100
95) Naphthalene	15.157	128	194341	56.964	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	94833	53.438	ug/l	98

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

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