

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012225\
 Data File : VY020890.D
 Acq On : 22 Jan 2025 09:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 23 00:39:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.737	168	208652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.640	114	296961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.438	117	247028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.371	152	119792	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.091	65	84232	47.496	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.000%
35) Dibromofluoromethane	7.664	113	95095	51.114	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.220%
50) Toluene-d8	10.133	98	348116	53.676	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.360%
62) 4-Bromofluorobenzene	12.426	95	114711	47.896	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	95.800%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.885	85	66101	43.167	ug/l	98
3) Chloromethane	2.086	50	44205	54.827	ug/l	97
4) Vinyl Chloride	2.226	62	53951	60.193	ug/l	99
5) Bromomethane	2.629	94	29895	46.829	ug/l	99
6) Chloroethane	2.763	64	32908	59.533	ug/l	90
7) Trichlorofluoromethane	3.092	101	142254	51.712	ug/l	100
8) Diethyl Ether	3.488	74	42742	49.685	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.848	101	98417	52.978	ug/l	100
10) Methyl Iodide	4.043	142	126237	63.410	ug/l	96
11) Tert butyl alcohol	4.927	59	26540	198.047	ug/l #	73
12) 1,1-Dichloroethene	3.830	96	84128	51.703	ug/l	97
13) Acrolein	3.689	56	8999	239.122	ug/l	97
14) Allyl chloride	4.427	41	124464	53.020	ug/l	95
15) Acrylonitrile	5.104	53	92737	253.650	ug/l	98
16) Acetone	3.915	43	61266	242.934	ug/l	96
17) Carbon Disulfide	4.147	76	173033	49.020	ug/l	99
18) Methyl Acetate	4.427	43	46760	54.914	ug/l	96
19) Methyl tert-butyl Ether	5.159	73	226757	49.381	ug/l	98
20) Methylene Chloride	4.659	84	89888	51.611	ug/l	99
21) trans-1,2-Dichloroethene	5.159	96	90167	50.321	ug/l	95
22) Diisopropyl ether	6.055	45	284926	56.978	ug/l	97
23) Vinyl Acetate	6.000	43	743870	269.792	ug/l	99
24) 1,1-Dichloroethane	5.957	63	174543	52.904	ug/l	99
25) 2-Butanone	6.933	43	105475	254.606	ug/l	99
26) 2,2-Dichloropropane	6.927	77	171153	49.965	ug/l	99
27) cis-1,2-Dichloroethene	6.927	96	117042	51.771	ug/l	99
28) Bromochloromethane	7.280	49	51248	57.566	ug/l	93
29) Tetrahydrofuran	7.298	42	69640	263.156	ug/l	94
30) Chloroform	7.457	83	189299	50.313	ug/l	97
31) Cyclohexane	7.737	56	130216	50.460	ug/l	98
32) 1,1,1-Trichloroethane	7.652	97	179685	48.961	ug/l	98
36) 1,1-Dichloropropene	7.865	75	127347	53.665	ug/l	99
37) Ethyl Acetate	7.018	43	51570	54.610	ug/l	98
38) Carbon Tetrachloride	7.847	117	169739	51.386	ug/l	99
39) Methylcyclohexane	9.134	83	156988	53.912	ug/l	95
40) Benzene	8.109	78	390882	53.671	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.256	41	27959	51.698	ug/l	94
42) 1,2-Dichloroethane	8.189	62	100998	50.781	ug/l	99
43) Isopropyl Acetate	8.225	43	103940	54.115	ug/l	98
44) Trichloroethene	8.890	130	107442	52.920	ug/l	94
45) 1,2-Dichloropropane	9.164	63	93157	56.422	ug/l	99
46) Dibromomethane	9.255	93	50258	53.009	ug/l	98
47) Bromodichloromethane	9.451	83	144073	53.059	ug/l	96
48) Methyl methacrylate	9.243	41	45010	52.271	ug/l	98
49) 1,4-Dioxane	9.262	88	9206	914.531	ug/l #	74
51) 4-Methyl-2-Pentanone	10.018	43	265416	276.599	ug/l	99
52) Toluene	10.194	92	256906	53.269	ug/l	100
53) t-1,3-Dichloropropene	10.414	75	124210	51.432	ug/l	98
54) cis-1,3-Dichloropropene	9.877	75	149237	53.209	ug/l	97
55) 1,1,2-Trichloroethane	10.597	97	72032	53.180	ug/l	95
56) Ethyl methacrylate	10.463	69	91130	53.274	ug/l	98
57) 1,3-Dichloropropane	10.737	76	118361	53.609	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.731	63	174926	257.770	ug/l	97
59) 2-Hexanone	10.780	43	170436	276.858	ug/l	97
60) Dibromochloromethane	10.932	129	101552	51.695	ug/l	98
61) 1,2-Dibromoethane	11.036	107	63991	52.623	ug/l	100
64) Tetrachloroethene	10.670	164	94896	52.250	ug/l	98
65) Chlorobenzene	11.462	112	286632	52.480	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.536	131	107619	51.759	ug/l	98
67) Ethyl Benzene	11.542	91	502727	53.164	ug/l	100
68) m/p-Xylenes	11.651	106	380164	104.420	ug/l	99
69) o-Xylene	11.974	106	180057	52.161	ug/l	96
70) Styrene	11.993	104	301240	51.841	ug/l	99
71) Bromoform	12.151	173	60893	51.517	ug/l #	100
73) Isopropylbenzene	12.273	105	502300	52.855	ug/l	100
74) N-amyl acetate	12.090	43	82453	53.041	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.529	83	77645	53.906	ug/l	100
76) 1,2,3-Trichloropropane	12.578	75	51346m	48.987	ug/l	
77) Bromobenzene	12.554	156	112651	51.414	ug/l	98
78) n-propylbenzene	12.615	91	583526	54.097	ug/l	99
79) 2-Chlorotoluene	12.700	91	328092	52.818	ug/l	100
80) 1,3,5-Trimethylbenzene	12.755	105	399297	51.846	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.328	75	26092	52.488	ug/l	99
82) 4-Chlorotoluene	12.798	91	332778	51.912	ug/l	100
83) tert-Butylbenzene	13.017	119	370693	51.462	ug/l	98
84) 1,2,4-Trimethylbenzene	13.066	105	391370	52.038	ug/l	98
85) sec-Butylbenzene	13.194	105	539123	53.583	ug/l	99
86) p-Isopropyltoluene	13.310	119	449515	52.372	ug/l	99
87) 1,3-Dichlorobenzene	13.310	146	218307	51.278	ug/l	100
88) 1,4-Dichlorobenzene	13.389	146	213273	50.892	ug/l	99
89) n-Butylbenzene	13.639	91	395420	53.103	ug/l	100
90) Hexachloroethane	13.901	117	88761	51.501	ug/l	99
91) 1,2-Dichlorobenzene	13.682	146	188705	50.695	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.297	75	10518	45.162	ug/l	96
93) 1,2,4-Trichlorobenzene	14.943	180	104667	48.859	ug/l	99
94) Hexachlorobutadiene	15.047	225	73471	48.650	ug/l	99
95) Naphthalene	15.169	128	165688	46.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.352	180	85328	47.543	ug/l	99

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

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