

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
 Data File : VY021501.D
 Acq On : 12 Mar 2025 11:19
 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: Mar 13 01:35:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	235821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	365053	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	321594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	164279	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.055	65	119395	47.902	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.800%
35) Dibromofluoromethane	7.634	113	116095	48.382	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.760%
50) Toluene-d8	10.103	98	442252	48.677	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.360%
62) 4-Bromofluorobenzene	12.402	95	149487	48.370	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.740%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	99001	45.748	ug/l	93
3) Chloromethane	2.068	50	150838	49.439	ug/l	99
4) Vinyl Chloride	2.202	62	175665	52.687	ug/l	99
5) Bromomethane	2.592	94	116821	48.479	ug/l	97
6) Chloroethane	2.733	64	122747	55.709	ug/l	100
7) Trichlorofluoromethane	3.050	101	249277	53.565	ug/l	100
8) Diethyl Ether	3.452	74	62882	48.758	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.806	101	125157	47.105	ug/l	100
10) Methyl Iodide	4.001	142	146086	54.089	ug/l	100
11) Tert butyl alcohol	4.848	59	38330	235.189	ug/l	96
12) 1,1-Dichloroethene	3.787	96	115839	47.820	ug/l	99
13) Acrolein	3.647	56	3823	30.155	ug/l	87
14) Allyl chloride	4.379	41	194037	49.566	ug/l	99
15) Acrylonitrile	5.049	53	137125	249.771	ug/l	99
16) Acetone	3.860	43	150281	276.438	ug/l	94
17) Carbon Disulfide	4.098	76	355367	46.810	ug/l	98
18) Methyl Acetate	4.379	43	68349	56.664	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	302718	49.305	ug/l	98
20) Methylene Chloride	4.610	84	131432	46.058	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	133215	49.105	ug/l	98
22) Diisopropyl ether	6.013	45	422601	50.092	ug/l	97
23) Vinyl Acetate	5.952	43	1196504	248.506	ug/l	99
24) 1,1-Dichloroethane	5.909	63	245755	49.356	ug/l	98
25) 2-Butanone	6.890	43	191542	254.707	ug/l	98
26) 2,2-Dichloropropane	6.878	77	225033	49.118	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	154210	50.037	ug/l	99
28) Bromochloromethane	7.238	49	98467	47.170	ug/l	98
29) Tetrahydrofuran	7.256	42	114758	247.188	ug/l	100
30) Chloroform	7.415	83	255395	49.395	ug/l	96
31) Cyclohexane	7.695	56	209721	44.927	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	230084	48.600	ug/l	100
36) 1,1-Dichloropropene	7.829	75	181671	48.368	ug/l	100
37) Ethyl Acetate	6.976	43	81213	48.920	ug/l	100
38) Carbon Tetrachloride	7.817	117	207668	48.074	ug/l	98
39) Methylcyclohexane	9.103	83	219585	47.661	ug/l	97
40) Benzene	8.073	78	541042	48.899	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	41882	46.333	ug/l #	88
42) 1,2-Dichloroethane	8.152	62	152860	49.384	ug/l	99
43) Isopropyl Acetate	8.195	43	154254	47.865	ug/l #	87
44) Trichloroethene	8.860	130	136668	48.880	ug/l	98
45) 1,2-Dichloropropane	9.140	63	129435	49.152	ug/l	98
46) Dibromomethane	9.231	93	73812	50.376	ug/l	100
47) Bromodichloromethane	9.420	83	193602	49.754	ug/l	100
48) Methyl methacrylate	9.219	41	75994	51.352	ug/l	99
49) 1,4-Dioxane	9.225	88	15921	1107.037	ug/l #	92
51) 4-Methyl-2-Pentanone	9.993	43	419825	252.478	ug/l	99
52) Toluene	10.170	92	346486	49.670	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	175233	51.115	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	203832	50.080	ug/l	98
55) 1,1,2-Trichloroethane	10.567	97	96555	50.377	ug/l	98
56) Ethyl methacrylate	10.439	69	127553	52.181	ug/l	99
57) 1,3-Dichloropropane	10.713	76	164941	49.652	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	315245	279.373	ug/l	99
59) 2-Hexanone	10.756	43	293635	267.063	ug/l	99
60) Dibromochloromethane	10.908	129	131252	49.951	ug/l	99
61) 1,2-Dibromoethane	11.012	107	88947	49.171	ug/l	99
64) Tetrachloroethene	10.646	164	140062	53.559	ug/l	98
65) Chlorobenzene	11.438	112	374951	49.373	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	133663	49.782	ug/l	100
67) Ethyl Benzene	11.518	91	675645	50.688	ug/l	99
68) m/p-Xylenes	11.627	106	512971	101.366	ug/l	99
69) o-Xylene	11.957	106	240838	51.638	ug/l	100
70) Styrene	11.969	104	404231	52.244	ug/l	100
71) Bromoform	12.133	173	75016	49.980	ug/l	98
73) Isopropylbenzene	12.255	105	640564	49.500	ug/l	100
74) N-amyl acetate	12.072	43	142166	50.586	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	106428	46.606	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	75347m	45.516	ug/l	
77) Bromobenzene	12.530	156	148727	49.126	ug/l	98
78) n-propylbenzene	12.597	91	784952	49.946	ug/l	100
79) 2-Chlorotoluene	12.682	91	442598	49.252	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	528870	50.290	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	34028	46.729	ug/l	98
82) 4-Chlorotoluene	12.780	91	457696	49.185	ug/l	100
83) tert-Butylbenzene	12.999	119	473400	50.461	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	530408	50.798	ug/l	99
85) sec-Butylbenzene	13.176	105	691185	49.517	ug/l	99
86) p-Isopropyltoluene	13.292	119	579887	50.426	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	292602	48.554	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	287278	48.744	ug/l	99
89) n-Butylbenzene	13.615	91	545901	51.409	ug/l	99
90) Hexachloroethane	13.877	117	118065	48.126	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	255194	49.408	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15994	46.756	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	146696	51.998	ug/l	99
94) Hexachlorobutadiene	15.023	225	88667	50.138	ug/l	99
95) Naphthalene	15.145	128	241398	50.555	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	121874	51.364	ug/l	99

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

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