

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016013.D
 Acq On : 18 Oct 2023 10:28
 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: Oct 18 10:39:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	230294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	371365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	334771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	168452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	118228	44.983	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.960%
35) Dibromofluoromethane	7.722	113	115169	49.261	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.520%
50) Toluene-d8	10.185	98	420950	48.079	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.160%
62) 4-Bromofluorobenzene	12.489	95	148673	47.688	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	91361	47.412	ug/l	98
3) Chloromethane	2.119	50	113955	37.055	ug/l	98
4) Vinyl Chloride	2.259	62	126128	51.167	ug/l	95
5) Bromomethane	2.656	94	91280	65.467	ug/l	100
6) Chloroethane	2.802	64	82910	52.046	ug/l	97
7) Trichlorofluoromethane	3.131	101	188455	45.073	ug/l	100
8) Diethyl Ether	3.540	74	66939	42.837	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.906	101	109501	46.059	ug/l	95
10) Methyl Iodide	4.101	142	153043	55.982	ug/l	96
11) Tert butyl alcohol	4.966	59	65746	43.115	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	103121	46.044	ug/l	91
13) Acrolein	3.735	56	69817	140.649	ug/l	97
14) Allyl chloride	4.491	41	163498	45.177	ug/l	95
15) Acrylonitrile	5.174	53	179722	130.556	ug/l	98
16) Acetone	3.954	43	195748	128.212	ug/l	91
17) Carbon Disulfide	4.204	76	308156	45.016	ug/l	98
18) Methyl Acetate	4.485	43	136633	25.800	ug/l	91
19) Methyl tert-butyl Ether	5.228	73	326417	43.477	ug/l	98
20) Methylene Chloride	4.722	84	122377	41.257	ug/l	91
21) trans-1,2-Dichloroethene	5.228	96	122665	46.857	ug/l	92
22) Diisopropyl ether	6.125	45	355340	47.283	ug/l	93
23) Vinyl Acetate	6.070	43	1063002	215.006	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	209623	46.881	ug/l	96
25) 2-Butanone	6.990	43	263341	118.512	ug/l	94
26) 2,2-Dichloropropane	6.984	77	191095	51.467	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	140669	47.789	ug/l	93
28) Bromochloromethane	7.338	49	84154	42.174	ug/l	91
29) Tetrahydrofuran	7.356	42	159479	104.702	ug/l	89
30) Chloroform	7.515	83	222793	48.005	ug/l	98
31) Cyclohexane	7.789	56	179385	42.875	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	198316	48.046	ug/l	97
36) 1,1-Dichloropropene	7.923	75	170418	48.309	ug/l	98
37) Ethyl Acetate	7.082	43	107221	19.699	ug/l #	94
38) Carbon Tetrachloride	7.905	117	183232	49.321	ug/l	99
39) Methylcyclohexane	9.191	83	209080	46.196	ug/l	91
40) Benzene	8.167	78	487439	47.756	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.350	41	144780	80.672	ug/l #	28
42) 1,2-Dichloroethane	8.240	62	150364	45.912	ug/l	93
43) Isopropyl Acetate	8.277	43	196298	33.569	ug/l	95
44) Trichloroethene	8.947	130	135226	42.991	ug/l	97
45) 1,2-Dichloropropane	9.222	63	122121	46.889	ug/l	97
46) Dibromomethane	9.313	93	76755	41.926	ug/l	97
47) Bromodichloromethane	9.502	83	175110	47.368	ug/l	99
48) Methyl methacrylate	9.295	41	91769	35.530	ug/l	89
49) 1,4-Dioxane	9.307	88	22278	436.357	ug/l #	53
51) 4-Methyl-2-Pentanone	10.075	43	541073	125.556	ug/l	91
52) Toluene	10.252	92	314475	48.190	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	188530	45.484	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	208029	46.688	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	106565	40.885	ug/l	96
56) Ethyl methacrylate	10.514	69	154111	37.769	ug/l #	86
57) 1,3-Dichloropropane	10.795	76	181329	41.008	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	331048	184.887	ug/l	92
59) 2-Hexanone	10.837	43	411242	111.794	ug/l	89
60) Dibromochloromethane	10.990	129	129691	43.755	ug/l	100
61) 1,2-Dibromoethane	11.093	107	106434	37.739	ug/l	100
64) Tetrachloroethene	10.727	164	114483	39.229	ug/l	97
65) Chlorobenzene	11.520	112	339965	48.467	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	129037	49.696	ug/l	99
67) Ethyl Benzene	11.599	91	609982	49.734	ug/l	99
68) m/p-Xylenes	11.709	106	475755	100.513	ug/l	94
69) o-Xylene	12.032	106	225610	49.856	ug/l	97
70) Styrene	12.050	104	385893	50.107	ug/l	96
71) Bromoform	12.215	173	86783	39.247	ug/l #	100
73) Isopropylbenzene	12.337	105	595491	49.936	ug/l	100
74) N-amyl acetate	12.148	43	177449	36.834	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	135719	37.053	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	173967	52.771	ug/l #	100
77) Bromobenzene	12.611	156	141603	47.301	ug/l	99
78) n-propylbenzene	12.678	91	717749	49.496	ug/l	99
79) 2-Chlorotoluene	12.764	91	402481	49.071	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	498389	50.306	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	47152	33.694	ug/l	95
82) 4-Chlorotoluene	12.861	91	423412	50.229	ug/l	100
83) tert-Butylbenzene	13.081	119	437815	50.291	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	492648	49.538	ug/l	99
85) sec-Butylbenzene	13.258	105	639347	49.485	ug/l	99
86) p-Isopropyltoluene	13.373	119	537935	49.824	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	280632	48.814	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	277269	47.760	ug/l	100
89) n-Butylbenzene	13.703	91	504850	49.726	ug/l	96
90) Hexachloroethane	13.965	117	102391	49.481	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	254201	47.127	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	24226	23.121	ug/l	93

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

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