

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111023\
 Data File : VY016294.D
 Acq On : 10 Nov 2023 08:41
 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: Nov 10 22:15:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	165021	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	263143	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	227088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102071	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	73004	48.404	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.800%
35) Dibromofluoromethane	7.722	113	76060	50.882	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.760%
50) Toluene-d8	10.185	98	305635	50.420	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.840%
62) 4-Bromofluorobenzene	12.483	95	96561	49.046	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.100%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	77361	47.877	ug/l	97
3) Chloromethane	2.113	50	88779	46.914	ug/l	97
4) Vinyl Chloride	2.253	62	96302	47.325	ug/l	96
5) Bromomethane	2.656	94	62731	46.909	ug/l	99
6) Chloroethane	2.796	64	63023	48.537	ug/l	96
7) Trichlorofluoromethane	3.131	101	145900	49.282	ug/l	98
8) Diethyl Ether	3.528	74	42929	48.517	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.900	101	87922	49.308	ug/l	94
10) Methyl Iodide	4.095	142	94480	49.060	ug/l	97
11) Tert butyl alcohol	4.960	59	24348	206.154	ug/l #	79
12) 1,1-Dichloroethene	3.875	96	82689	49.586	ug/l	89
13) Acrolein	3.729	56	29747	208.814	ug/l	97
14) Allyl chloride	4.479	41	116063	49.046	ug/l #	92
15) Acrylonitrile	5.168	53	84451	240.503	ug/l	99
16) Acetone	3.948	43	57697	231.269	ug/l	93
17) Carbon Disulfide	4.198	76	248066	49.302	ug/l	99
18) Methyl Acetate	4.479	43	64594	48.726	ug/l #	91
19) Methyl tert-butyl Ether	5.222	73	194854	48.278	ug/l	96
20) Methylene Chloride	4.716	84	90445	51.417	ug/l	90
21) trans-1,2-Dichloroethene	5.222	96	94008	48.962	ug/l	94
22) Diisopropyl ether	6.119	45	251029	49.222	ug/l	89
23) Vinyl Acetate	6.064	43	601191	243.284	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	154128	48.988	ug/l	97
25) 2-Butanone	6.984	43	100068	229.001	ug/l	91
26) 2,2-Dichloropropane	6.984	77	143759	50.204	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	102136	49.360	ug/l	92
28) Bromochloromethane	7.338	49	59401	51.013	ug/l	88
29) Tetrahydrofuran	7.350	42	68779	238.132	ug/l	90
30) Chloroform	7.515	83	161284	49.249	ug/l	97
31) Cyclohexane	7.789	56	141949	47.803	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	149689	49.863	ug/l	97
36) 1,1-Dichloropropene	7.923	75	130488	50.272	ug/l	99
37) Ethyl Acetate	7.076	43	49207	46.919	ug/l	96
38) Carbon Tetrachloride	7.905	117	137153	50.913	ug/l	99
39) Methylcyclohexane	9.191	83	164810	50.957	ug/l	93
40) Benzene	8.167	78	365734	50.152	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	27533	52.067	ug/l #	92
42) 1,2-Dichloroethane	8.240	62	93311	49.384	ug/l	93
43) Isopropyl Acetate	8.277	43	95943	47.327	ug/l #	90
44) Trichloroethene	8.941	130	104774	49.991	ug/l	93
45) 1,2-Dichloropropane	9.216	63	87444	49.929	ug/l	99
46) Dibromomethane	9.307	93	46721	49.229	ug/l	97
47) Bromodichloromethane	9.502	83	122092	50.039	ug/l	99
48) Methyl methacrylate	9.295	41	54292	48.458	ug/l	85
49) 1,4-Dioxane	9.307	88	9756	968.271	ug/l #	64
51) 4-Methyl-2-Pentanone	10.075	43	244767	238.769	ug/l	90
52) Toluene	10.246	92	230045	49.904	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	118534	50.113	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	141443	50.066	ug/l #	87
55) 1,1,2-Trichloroethane	10.648	97	65288	49.911	ug/l	97
56) Ethyl methacrylate	10.514	69	62604	50.699	ug/l #	82
57) 1,3-Dichloropropane	10.795	76	109478	49.099	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	224580	268.225	ug/l	93
59) 2-Hexanone	10.837	43	171272	224.616	ug/l	88
60) Dibromochloromethane	10.990	129	82681	50.539	ug/l	100
61) 1,2-Dibromoethane	11.093	107	61322	49.206	ug/l	98
64) Tetrachloroethene	10.728	164	101963	50.006	ug/l	96
65) Chlorobenzene	11.520	112	241126	49.698	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	90469	50.555	ug/l	98
67) Ethyl Benzene	11.599	91	441870	50.676	ug/l	98
68) m/p-Xylenes	11.703	106	334709	101.206	ug/l	95
69) o-Xylene	12.032	106	152850	49.778	ug/l	99
70) Styrene	12.050	104	224473	51.054	ug/l	97
71) Bromoform	12.209	173	47677	51.346	ug/l #	97
73) Isopropylbenzene	12.331	105	425279	51.452	ug/l	100
74) N-amyl acetate	12.148	43	80277	48.352	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.587	83	66454	50.104	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	46972m	47.972	ug/l	
77) Bromobenzene	12.611	156	94602	50.641	ug/l	94
78) n-propylbenzene	12.678	91	500866	51.276	ug/l	99
79) 2-Chlorotoluene	12.758	91	272183	50.562	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	343587	51.558	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	23439	51.959	ug/l	90
82) 4-Chlorotoluene	12.861	91	278468	50.062	ug/l	99
83) tert-Butylbenzene	13.081	119	304377	51.855	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	333170	50.774	ug/l	98
85) sec-Butylbenzene	13.258	105	430787	51.371	ug/l	100
86) p-Isopropyltoluene	13.373	119	369451	51.165	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	177926	49.507	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	174231	49.604	ug/l	99
89) n-Butylbenzene	13.703	91	343456	51.505	ug/l	96
90) Hexachloroethane	13.965	117	69384	49.812	ug/l	93
91) 1,2-Dichlorobenzene	13.745	146	152812	49.619	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9406	44.574	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	86479	48.107	ug/l	97
94) Hexachlorobutadiene	15.117	225	52077	50.566	ug/l	96
95) Naphthalene	15.239	128	154835	48.159	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	71049	47.785	ug/l	99

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

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