

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015772.D
 Acq On : 29 Sep 2023 22:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 30 01:21:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	182365	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.703	114	310972	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.496	117	289580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	145868	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	95462	47.576	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.160%
35) Dibromofluoromethane	7.728	113	84897	45.612	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.220%
50) Toluene-d8	10.191	98	294973	46.740	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.480%
62) 4-Bromofluorobenzene	12.489	95	113814	45.955	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.920%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	51606	42.930	ug/l	98
3) Chloromethane	2.119	50	64948	42.827	ug/l	97
4) Vinyl Chloride	2.253	62	79528	45.866	ug/l	98
5) Bromomethane	2.656	94	57871	38.322	ug/l	96
6) Chloroethane	2.796	64	57446	44.698	ug/l	99
7) Trichlorofluoromethane	3.131	101	131665	45.278	ug/l	99
8) Diethyl Ether	3.540	74	58938	47.528	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.912	101	82716	45.430	ug/l	95
10) Methyl Iodide	4.101	142	89489	42.245	ug/l	97
11) Tert butyl alcohol	5.021	59	115542	280.212	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	71212	44.386	ug/l	93
13) Acrolein	3.747	56	67911	220.996	ug/l	99
14) Allyl chloride	4.491	41	131567	44.851	ug/l	95
15) Acrylonitrile	5.186	53	239246	262.995	ug/l	99
16) Acetone	3.979	43	237200	220.897	ug/l	91
17) Carbon Disulfide	4.204	76	127492	40.905	ug/l	98
18) Methyl Acetate	4.497	43	226983	63.001	ug/l	93
19) Methyl tert-butyl Ether	5.241	73	326118	49.908	ug/l	100
20) Methylene Chloride	4.729	84	109748	46.312	ug/l	91
21) trans-1,2-Dichloroethene	5.235	96	83853	45.726	ug/l	96
22) Diisopropyl ether	6.137	45	329697	46.703	ug/l	94
23) Vinyl Acetate	6.076	43	948250	217.620	ug/l	95
24) 1,1-Dichloroethane	6.033	63	176220	45.797	ug/l	97
25) 2-Butanone	7.009	43	363400	239.428	ug/l	96
26) 2,2-Dichloropropane	6.996	77	139038	39.534	ug/l	97
27) cis-1,2-Dichloroethene	7.003	96	112733	46.306	ug/l	93
28) Bromochloromethane	7.350	49	40913	39.190	ug/l	96
29) Tetrahydrofuran	7.368	42	236775	276.005	ug/l	92
30) Chloroform	7.521	83	195311	47.397	ug/l	96
31) Cyclohexane	7.795	56	113853	40.960	ug/l	92
32) 1,1,1-Trichloroethane	7.716	97	161798	47.563	ug/l	99
36) 1,1-Dichloropropene	7.929	75	121681	44.215	ug/l	100
37) Ethyl Acetate	7.094	43	144768	52.738	ug/l	98
38) Carbon Tetrachloride	7.911	117	136695	45.759	ug/l	98
39) Methylcyclohexane	9.191	83	133335	43.804	ug/l	94
40) Benzene	8.173	78	381534	45.461	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	60149	40.695	ug/l	92
42) 1,2-Dichloroethane	8.246	62	138957	48.345	ug/l	94
43) Isopropyl Acetate	8.283	43	238321	50.825	ug/l	99
44) Trichloroethene	8.947	130	112349	47.930	ug/l	100
45) 1,2-Dichloropropane	9.228	63	107607	45.978	ug/l	96
46) Dibromomethane	9.319	93	73130	48.848	ug/l	95
47) Bromodichloromethane	9.508	83	160205	48.009	ug/l	97
48) Methyl methacrylate	9.301	41	107041	52.007	ug/l	91
49) 1,4-Dioxane	9.344	88	36595	1237.306	ug/l #	55
51) 4-Methyl-2-Pentanone	10.081	43	789477	271.639	ug/l	93
52) Toluene	10.252	92	251246	46.436	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	169035	47.237	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	176445	45.807	ug/l	93
55) 1,1,2-Trichloroethane	10.654	97	106736	48.650	ug/l	97
56) Ethyl methacrylate	10.520	69	164729	50.949	ug/l	89
57) 1,3-Dichloropropane	10.795	76	179678	48.836	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	213980	208.353	ug/l	94
59) 2-Hexanone	10.843	43	608513	272.902	ug/l	91
60) Dibromochloromethane	10.990	129	127054	49.610	ug/l	100
61) 1,2-Dibromoethane	11.099	107	106366	49.557	ug/l	99
64) Tetrachloroethene	10.727	164	128105	51.562	ug/l	96
65) Chlorobenzene	11.526	112	287661	45.509	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	116660	47.513	ug/l	98
67) Ethyl Benzene	11.599	91	503528	45.576	ug/l	100
68) m/p-Xylenes	11.709	106	385888	91.893	ug/l	96
69) o-Xylene	12.038	106	190598	46.287	ug/l	100
70) Styrene	12.050	104	334845	47.507	ug/l	98
71) Bromoform	12.215	173	93117	52.335	ug/l #	99
73) Isopropylbenzene	12.337	105	508683	46.487	ug/l	99
74) N-amyl acetate	12.148	43	205108	49.871	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	150172	49.311	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	124257m	53.396	ug/l	
77) Bromobenzene	12.617	156	127475	47.458	ug/l	93
78) n-propylbenzene	12.678	91	611861	46.026	ug/l	100
79) 2-Chlorotoluene	12.764	91	355145	46.867	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	428280	46.751	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	51464	49.801	ug/l	95
82) 4-Chlorotoluene	12.861	91	366679	46.353	ug/l	99
83) tert-Butylbenzene	13.081	119	383744	47.828	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	432947	47.234	ug/l	98
85) sec-Butylbenzene	13.258	105	564266	46.994	ug/l	100
86) p-Isopropyltoluene	13.373	119	470944	46.954	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	250636	47.034	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	252243	47.330	ug/l	99
89) n-Butylbenzene	13.703	91	437747	46.090	ug/l	96
90) Hexachloroethane	13.965	117	91137	47.081	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	238882	48.562	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	34728	57.416	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	150245	48.516	ug/l	98
94) Hexachlorobutadiene	15.117	225	76711	48.371	ug/l	97
95) Naphthalene	15.239	128	495988	61.423	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	143201	50.100	ug/l	99

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

