

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
 Data File : VU054330.D
 Acq On : 31 May 2023 11:28
 Operator : JC/MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDC0050

Quant Time: Jun 01 05:07:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	224986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	367496	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	348277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	185682	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	149332	50.632	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.260%	
35) Dibromofluoromethane	5.285	113	118489	50.067	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.140%	
50) Toluene-d8	7.893	98	439310	48.803	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.600%	
62) 4-Bromofluorobenzene	10.629	95	162125	46.449	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.900%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.385	85	104731	41.699	ug/l	100
3) Chloromethane	1.520	50	144666	43.989	ug/l	96
4) Vinyl Chloride	1.604	62	133828	42.650	ug/l	98
5) Bromomethane	1.858	94	83753	48.218	ug/l	99
6) Chloroethane	1.932	64	81113	53.603	ug/l	96
7) Trichlorofluoromethane	2.137	101	172865	40.044	ug/l	97
8) Diethyl Ether	2.372	74	79075	49.480	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.578	101	100897	43.169	ug/l	97
10) Methyl Iodide	2.719	142	126917	45.549	ug/l	97
11) Tert butyl alcohol	3.208	59	186161	233.672	ug/l #	54
12) 1,1-Dichloroethene	2.578	96	97307	40.209	ug/l	96
13) Acrolein	2.485	56	181840	219.404	ug/l	99
14) Allyl chloride	2.919	41	190041	45.290	ug/l	86
15) Acrylonitrile	3.308	53	452614	253.393	ug/l	99
16) Acetone	2.629	43	484633	286.666	ug/l	99
17) Carbon Disulfide	2.790	76	282645	39.519	ug/l	100
18) Methyl Acetate	2.944	43	311672	50.491	ug/l	96
19) Methyl tert-butyl Ether	3.359	73	380602	48.045	ug/l	98
20) Methylene Chloride	3.044	84	134844	44.212	ug/l	93
21) trans-1,2-Dichloroethene	3.349	96	110510	42.652	ug/l	96
22) Diisopropyl ether	3.983	45	369742	49.716	ug/l	83
23) Vinyl Acetate	3.948	43	1396825	257.392	ug/l	99
24) 1,1-Dichloroethane	3.864	63	214114	44.961	ug/l	100
25) 2-Butanone	4.697	43	619393	276.720	ug/l	97
26) 2,2-Dichloropropane	4.658	77	170610	40.995	ug/l	98
27) cis-1,2-Dichloroethene	4.661	96	129003	44.758	ug/l	93
28) Bromochloromethane	4.970	49	107952	48.987	ug/l	85
29) Tetrahydrofuran	5.047	42	367680	261.327	ug/l	92
30) Chloroform	5.083	83	213412	44.085	ug/l	100
31) Cyclohexane	5.382	56	169567	40.717	ug/l	93
32) 1,1,1-Trichloroethane	5.311	97	176010	41.880	ug/l	99
36) 1,1-Dichloropropene	5.523	75	147881	39.784	ug/l	98
37) Ethyl Acetate	4.796	43	206708	45.630	ug/l #	92
38) Carbon Tetrachloride	5.520	117	152899	40.187	ug/l	96
39) Methylcyclohexane	6.758	83	173023	41.096	ug/l	91
40) Benzene	5.771	78	464475	43.807	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.964	41	106827	51.024	ug/l	92
42) 1,2-Dichloroethane	5.787	62	174030	45.183	ug/l	98
43) Isopropyl Acetate	5.906	43	301663	48.277	ug/l	98
44) Trichloroethene	6.536	130	119661	40.374	ug/l	91
45) 1,2-Dichloropropane	6.787	63	127067	45.940	ug/l	98
46) Dibromomethane	6.912	93	92521	45.443	ug/l	95
47) Bromodichloromethane	7.102	83	169515	44.520	ug/l	100
48) Methyl methacrylate	6.954	41	137622	49.663	ug/l	95
49) 1,4-Dioxane	6.996	88	81322	1016.532	ug/l #	1
51) 4-Methyl-2-Pentanone	7.783	43	1038260	248.986	ug/l	99
52) Toluene	7.963	92	292602	43.280	ug/l	100
53) t-1,3-Dichloropropene	8.205	75	198481	45.563	ug/l	100
54) cis-1,3-Dichloropropene	7.603	75	209841	46.158	ug/l	97
55) 1,1,2-Trichloroethane	8.394	97	130038	46.413	ug/l	97
56) Ethyl methacrylate	8.327	69	201070	48.212	ug/l	96
57) 1,3-Dichloropropane	8.571	76	224529	46.535	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.459	63	43353	162.132	ug/l	99
59) 2-Hexanone	8.677	43	828538	251.524	ug/l	100
60) Dibromochloromethane	8.806	129	133157	46.778	ug/l	99
61) 1,2-Dibromoethane	8.918	107	140903	46.209	ug/l	99
64) Tetrachloroethene	8.549	164	116744	44.538	ug/l	96
65) Chlorobenzene	9.443	112	316761	43.506	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.529	131	120873	45.762	ug/l	96
67) Ethyl Benzene	9.565	91	547160	43.956	ug/l	98
68) m/p-Xylenes	9.690	106	423161	89.685	ug/l	93
69) o-Xylene	10.095	106	206226	45.151	ug/l	92
70) Styrene	10.108	104	357120	47.147	ug/l	98
71) Bromoform	10.285	173	109805	47.839	ug/l	98
73) Isopropylbenzene	10.481	105	532294	46.288	ug/l	97
74) N-amyl acetate	10.314	43	248030	50.796	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.777	83	224636	48.277	ug/l	100
76) 1,2,3-Trichloropropane	10.819	75	259636	47.909	ug/l	98
77) Bromobenzene	10.777	156	146882	46.513	ug/l	91
78) n-propylbenzene	10.902	91	656539	46.606	ug/l	97
79) 2-Chlorotoluene	10.979	91	395305	46.351	ug/l	94
80) 1,3,5-Trimethylbenzene	11.082	105	459824	47.020	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.542	75	66636	46.823	ug/l	97
82) 4-Chlorotoluene	11.092	91	459097	45.879	ug/l	96
83) tert-Butylbenzene	11.417	119	435981	44.583	ug/l	95
84) 1,2,4-Trimethylbenzene	11.462	105	460574	47.339	ug/l	97
85) sec-Butylbenzene	11.639	105	574312	46.283	ug/l	99
86) p-Isopropyltoluene	11.786	119	481211	46.107	ug/l	98
87) 1,3-Dichlorobenzene	11.741	146	273612	44.749	ug/l	98
88) 1,4-Dichlorobenzene	11.831	146	277792	43.489	ug/l	99
89) n-Butylbenzene	12.204	91	432026	43.976	ug/l	98
90) Hexachloroethane	12.468	117	81311	44.038	ug/l	92
91) 1,2-Dichlorobenzene	12.208	146	273730	45.507	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.992	75	56010	52.780	ug/l	90
93) 1,2,4-Trichlorobenzene	13.835	180	192191	45.165	ug/l	99
94) Hexachlorobutadiene	14.015	225	85802	43.458	ug/l	98
95) Naphthalene	14.082	128	659009	48.065	ug/l	100
96) 1,2,3-Trichlorobenzene	14.323	180	195350	46.261	ug/l	99

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

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