

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049501.D
 Acq On : 29 Jun 2022 10:19
 Operator : SY/MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDC0050

Quant Time: Jun 30 01:28:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.372	168	262872	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	441742	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	402386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	201292	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	184484	45.570	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.140%
35) Dibromofluoromethane	5.289	113	149936	48.515	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.020%
50) Toluene-d8	7.896	98	538007	48.807	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.620%
62) 4-Bromofluorobenzene	10.632	95	210621	49.879	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.760%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.385	85	190299	45.050	ug/l	98
3) Chloromethane	1.523	50	217727	42.024	ug/l	97
4) Vinyl Chloride	1.604	62	194649	45.770	ug/l	99
5) Bromomethane	1.851	94	76701	58.002	ug/l	99
6) Chloroethane	1.925	64	88562	45.328	ug/l	99
7) Trichlorofluoromethane	2.131	101	241636	44.582	ug/l	95
8) Diethyl Ether	2.375	74	98058	50.085	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.578	101	148190	50.817	ug/l	96
10) Methyl Iodide	2.719	142	189365	63.662	ug/l	96
11) Tert butyl alcohol	3.199	59	280985	296.533	ug/l	# 45
12) 1,1-Dichloroethene	2.578	96	141969	49.724	ug/l	91
13) Acrolein	2.485	56	113843	177.408	ug/l	99
14) Allyl chloride	2.922	41	283003	49.045	ug/l	# 86
15) Acrylonitrile	3.314	53	594309	260.781	ug/l	99
16) Acetone	2.629	43	505421	247.563	ug/l	99
17) Carbon Disulfide	2.790	76	401202	45.059	ug/l	100
18) Methyl Acetate	2.948	43	270333	48.915	ug/l	92
19) Methyl tert-butyl Ether	3.363	73	529584	49.872	ug/l	98
20) Methylene Chloride	3.041	84	171734	50.540	ug/l	92
21) trans-1,2-Dichloroethene	3.350	96	151828	49.330	ug/l	94
22) Diisopropyl ether	3.990	45	544854	49.456	ug/l	# 79
23) Vinyl Acetate	3.954	43	2443227	253.018	ug/l	95
24) 1,1-Dichloroethane	3.867	63	303871	48.018	ug/l	98
25) 2-Butanone	4.703	43	808585	264.278	ug/l	95
26) 2,2-Dichloropropane	4.665	77	249207	47.315	ug/l	100
27) cis-1,2-Dichloroethene	4.665	96	181493	51.037	ug/l	92
28) Bromochloromethane	4.973	49	127241	45.999	ug/l	# 78
29) Tetrahydrofuran	5.051	42	527472	251.307	ug/l	88
30) Chloroform	5.089	83	294215	47.000	ug/l	100
31) Cyclohexane	5.388	56	282954	46.548	ug/l	89
32) 1,1,1-Trichloroethane	5.314	97	257266	47.366	ug/l	99
36) 1,1-Dichloropropene	5.526	75	217931	48.632	ug/l	98
37) Ethyl Acetate	4.803	43	300238	49.031	ug/l	# 94
38) Carbon Tetrachloride	5.523	117	221225	47.072	ug/l	98
39) Methylcyclohexane	6.761	83	271317	50.511	ug/l	93
40) Benzene	5.774	78	664672	49.128	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.970	41	156430	50.982	ug/l	89
42) 1,2-Dichloroethane	5.793	62	233630	46.397	ug/l	100
43) Isopropyl Acetate	5.909	43	443805	49.462	ug/l	97
44) Trichloroethene	6.542	130	162318	50.468	ug/l	87
45) 1,2-Dichloropropane	6.790	63	181413	48.391	ug/l	99
46) Dibromomethane	6.919	93	122904	49.173	ug/l	91
47) Bromodichloromethane	7.105	83	231662	48.155	ug/l	99
48) Methyl methacrylate	6.957	41	213933	50.877	ug/l	89
49) 1,4-Dioxane	6.993	88	123529	1146.676	ug/l #	1
51) 4-Methyl-2-Pentanone	7.790	43	1495360	249.022	ug/l	97
52) Toluene	7.967	92	408409	50.788	ug/l	100
53) t-1,3-Dichloropropene	8.208	75	260304	50.443	ug/l	98
54) cis-1,3-Dichloropropene	7.607	75	283985	51.542	ug/l	99
55) 1,1,2-Trichloroethane	8.401	97	166686	50.135	ug/l	98
56) Ethyl methacrylate	8.333	69	296696	53.355	ug/l	93
57) 1,3-Dichloropropane	8.575	76	292349	49.569	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.462	63	158937	360.395	ug/l	94
59) 2-Hexanone	8.684	43	1184933	250.928	ug/l	96
60) Dibromochloromethane	8.809	129	177619	51.373	ug/l	100
61) 1,2-Dibromoethane	8.922	107	182221	50.293	ug/l	99
64) Tetrachloroethene	8.552	164	132197	51.222	ug/l	94
65) Chlorobenzene	9.446	112	420613	51.130	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.533	131	159269	51.323	ug/l	99
67) Ethyl Benzene	9.568	91	789638	52.286	ug/l	96
68) m/p-Xylenes	9.693	106	589706	105.533	ug/l	90
69) o-Xylene	10.099	106	290603	52.386	ug/l	90
70) Styrene	10.111	104	483889	54.288	ug/l	97
71) Bromoform	10.292	173	139800	52.526	ug/l	97
73) Isopropylbenzene	10.481	105	765108	53.358	ug/l	96
74) N-amyl acetate	10.320	43	393421	51.839	ug/l	94
75) 1,1,2,2-Tetrachloroethane	10.783	83	306039	50.384	ug/l	99
76) 1,2,3-Trichloropropane	10.825	75	345326	50.608	ug/l	99
77) Bromobenzene	10.780	156	180959	51.701	ug/l	85
78) n-propylbenzene	10.902	91	910641	52.264	ug/l	96
79) 2-Chlorotoluene	10.983	91	546300	50.890	ug/l	92
80) 1,3,5-Trimethylbenzene	11.086	105	652817	52.149	ug/l	94
81) trans-1,4-Dichloro-2-b...	10.546	75	94220	50.991	ug/l	96
82) 4-Chlorotoluene	11.095	91	619257	51.291	ug/l	93
83) tert-Butylbenzene	11.420	119	640927	52.054	ug/l	94
84) 1,2,4-Trimethylbenzene	11.465	105	654735	53.239	ug/l	94
85) sec-Butylbenzene	11.642	105	795019	51.356	ug/l	97
86) p-Isopropyltoluene	11.790	119	658610	52.608	ug/l	97
87) 1,3-Dichlorobenzene	11.745	146	335744	50.174	ug/l	97
88) 1,4-Dichlorobenzene	11.835	146	338222	50.288	ug/l	97
89) n-Butylbenzene	12.208	91	596906	51.507	ug/l	98
90) Hexachloroethane	12.475	117	114995	46.117	ug/l	87
91) 1,2-Dichlorobenzene	12.211	146	343575	51.100	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.996	75	76162	48.900	ug/l	86
93) 1,2,4-Trichlorobenzene	13.838	180	230096	50.960	ug/l	98
94) Hexachlorobutadiene	14.021	225	100940	48.397	ug/l	100
95) Naphthalene	14.082	128	842806	53.359	ug/l	100
96) 1,2,3-Trichlorobenzene	14.327	180	236224	50.902	ug/l	97

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

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