

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048845.D
 Acq On : 03 Jun 2022 08:21
 Operator : SY/MD
 Sample : N3112-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GR-OF-20220527MSD

Quant Time: Jun 03 08:54:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.372	168	207355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	352490	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	330245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	181898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	163602	52.536	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.080%
35) Dibromofluoromethane	5.289	113	125425	49.876	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.760%
50) Toluene-d8	7.896	98	455040	50.479	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.960%
62) 4-Bromofluorobenzene	10.632	95	182702	53.591	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.180%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	115503	48.658	ug/l	99
3) Chloromethane	1.520	50	159458	52.182	ug/l	98
4) Vinyl Chloride	1.604	62	152939	54.038	ug/l	98
5) Bromomethane	1.829	94	69206	43.369	ug/l	97
6) Chloroethane	1.909	64	86396	55.887	ug/l	100
7) Trichlorofluoromethane	2.125	101	200314	49.557	ug/l	100
8) Diethyl Ether	2.372	74	81636	54.729	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.575	101	110656	50.012	ug/l	98
10) Methyl Iodide	2.716	142	167925	51.028	ug/l	98
11) Tert butyl alcohol	3.205	59	293210	371.385	ug/l #	35
12) 1,1-Dichloroethene	2.572	96	108889	51.595	ug/l	96
13) Acrolein	2.482	56	59487	226.979	ug/l	99
14) Allyl chloride	2.919	41	230252	56.329	ug/l	93
15) Acrylonitrile	3.308	53	558038	325.901	ug/l	99
16) Acetone	2.623	43	484327	305.181	ug/l	98
17) Carbon Disulfide	2.787	76	273731	44.430	ug/l	99
18) Methyl Acetate	2.945	43	227042	56.980	ug/l	98
19) Methyl tert-butyl Ether	3.359	73	467024	58.321	ug/l	98
20) Methylene Chloride	3.041	84	143004	52.989	ug/l	97
21) trans-1,2-Dichloroethene	3.346	96	120165	49.776	ug/l	94
22) Diisopropyl ether	3.990	45	481146	63.812	ug/l	90
23) Vinyl Acetate	3.951	43	1650546	252.654	ug/l	99
24) 1,1-Dichloroethane	3.864	63	268580	56.716	ug/l	100
25) 2-Butanone	4.697	43	781147	342.625	ug/l	100
26) 2,2-Dichloropropane	4.662	77	123018	28.956	ug/l	97
27) cis-1,2-Dichloroethene	4.665	96	152799	54.682	ug/l	96
28) Bromochloromethane	4.970	49	99945	53.807	ug/l	95
29) Tetrahydrofuran	5.044	42	490811	341.770	ug/l	97
30) Chloroform	5.086	83	267176	56.386	ug/l	100
31) Cyclohexane	5.385	56	209072	53.274	ug/l	98
32) 1,1,1-Trichloroethane	5.314	97	224341	52.187	ug/l	100
36) 1,1-Dichloropropene	5.523	75	176092	47.978	ug/l	99
37) Ethyl Acetate	4.800	43	225248	48.546	ug/l	100
38) Carbon Tetrachloride	5.523	117	194301	46.145	ug/l	96
39) Methylcyclohexane	6.761	83	193785	50.355	ug/l	98
40) Benzene	5.771	78	550575	50.812	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.970	41	146022	62.278	ug/l	99
42) 1,2-Dichloroethane	5.793	62	215795	50.876	ug/l	100
43) Isopropyl Acetate	5.909	43	352346	52.321	ug/l	99
44) Trichloroethene	6.539	130	133146	47.695	ug/l	99
45) 1,2-Dichloropropane	6.790	63	154528	56.648	ug/l	100
46) Dibromomethane	6.915	93	102271	50.181	ug/l	99
47) Bromodichloromethane	7.105	83	208387	50.562	ug/l	99
48) Methyl methacrylate	6.957	41	186407	61.659	ug/l	98
49) 1,4-Dioxane	6.964	88	113017	1672.311	ug/l	96
51) 4-Methyl-2-Pentanone	7.790	43	1534686	350.967	ug/l	99
52) Toluene	7.967	92	344610	53.170	ug/l	100
53) t-1,3-Dichloropropene	8.208	75	211560	47.585	ug/l	100
54) cis-1,3-Dichloropropene	7.607	75	222688	48.337	ug/l	98
55) 1,1,2-Trichloroethane	8.401	97	153928	53.813	ug/l	98
56) Ethyl methacrylate	8.333	69	257426	56.588	ug/l	97
57) 1,3-Dichloropropane	8.575	76	266525	55.361	ug/l	97
59) 2-Hexanone	8.684	43	1253219	349.097	ug/l	99
60) Dibromochloromethane	8.809	129	167040	52.096	ug/l	99
61) 1,2-Dibromoethane	8.922	107	159621	50.670	ug/l	100
64) Tetrachloroethene	8.552	164	107574	46.839	ug/l	98
65) Chlorobenzene	9.446	112	365997	52.400	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.533	131	143279	54.042	ug/l	100
67) Ethyl Benzene	9.568	91	641087	54.420	ug/l	99
68) m/p-Xylenes	9.694	106	499570	108.427	ug/l	100
69) o-Xylene	10.099	106	256538	56.673	ug/l	100
70) Styrene	10.115	104	436419	58.615	ug/l	99
71) Bromoform	10.292	173	139142	56.763	ug/l #	100
73) Isopropylbenzene	10.484	105	674402	57.429	ug/l	100
74) N-amyl acetate	10.320	43	297079	49.971	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.784	83	314967	65.724	ug/l	99
76) 1,2,3-Trichloropropane	10.825	75	339768	57.933	ug/l	96
77) Bromobenzene	10.784	156	174138	55.216	ug/l	98
78) n-propylbenzene	10.906	91	779865	55.732	ug/l	99
79) 2-Chlorotoluene	10.986	91	491880	56.525	ug/l	99
80) 1,3,5-Trimethylbenzene	11.089	105	594864	58.250	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.546	75	77001	47.671	ug/l	98
82) 4-Chlorotoluene	11.095	91	561367	55.912	ug/l	100
83) tert-Butylbenzene	11.420	119	609985	62.235	ug/l	100
84) 1,2,4-Trimethylbenzene	11.468	105	611571	55.435	ug/l	99
85) sec-Butylbenzene	11.642	105	741959	60.509	ug/l	99
86) p-Isopropyltoluene	11.793	119	627122	59.556	ug/l	100
87) 1,3-Dichlorobenzene	11.745	146	328056	53.054	ug/l	100
88) 1,4-Dichlorobenzene	11.835	146	325948	51.022	ug/l	99
89) n-Butylbenzene	12.208	91	498194	47.386	ug/l	100
90) Hexachloroethane	12.475	117	112297	52.255	ug/l	97
91) 1,2-Dichlorobenzene	12.211	146	322114	51.566	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.996	75	79163	57.372	ug/l	98
93) 1,2,4-Trichlorobenzene	13.841	180	196761	48.001	ug/l	98
94) Hexachlorobutadiene	14.021	225	99023	50.400	ug/l	98
95) Naphthalene	14.086	128	706703	49.391	ug/l	100
96) 1,2,3-Trichlorobenzene	14.330	180	206446	50.849	ug/l	100

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

