

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048949.D
 Acq On : 08 Jun 2022 07:20
 Operator : SY/MD
 Sample : N3166-13MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 11BR-20220601MSD

Quant Time: Jun 08 09:19:34 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	150878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.246	114	255737	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	238423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	135196	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	135795	59.930	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 119.860%#	
35) Dibromofluoromethane	5.288	113	100041	54.832	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.660%	
50) Toluene-d8	7.896	98	324468	49.612	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.220%	
62) 4-Bromofluorobenzene	10.632	95	133937	54.151	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.300%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.382	85	74649	43.219	ug/l	98
3) Chloromethane	1.520	50	113416	51.008	ug/l	97
4) Vinyl Chloride	1.604	62	101720	49.394	ug/l	98
5) Bromomethane	1.829	94	55174	47.981	ug/l	98
6) Chloroethane	1.912	64	61414	54.538	ug/l	94
7) Trichlorofluoromethane	2.128	101	142831	48.563	ug/l	100
8) Diethyl Ether	2.372	74	62112	57.227	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.575	101	74635	46.358	ug/l	98
10) Methyl Iodide	2.716	142	122366	51.098	ug/l	99
11) Tert butyl alcohol	3.192	59	215089	374.414	ug/l #	43
12) 1,1-Dichloroethene	2.575	96	75457	49.137	ug/l	99
13) Acrolein	2.481	56	40771	213.547	ug/l	99
14) Allyl chloride	2.919	41	157010	52.789	ug/l	97
15) Acrylonitrile	3.308	53	423349	339.789	ug/l	99
16) Acetone	2.623	43	373421	323.375	ug/l	97
17) Carbon Disulfide	2.787	76	172969	38.585	ug/l	99
18) Methyl Acetate	2.944	43	204151	70.414	ug/l	100
19) Methyl tert-butyl Ether	3.359	73	362287	62.177	ug/l	99
20) Methylene Chloride	3.041	84	106606	54.289	ug/l	97
21) trans-1,2-Dichloroethene	3.349	96	85177	48.490	ug/l	92
22) Diisopropyl ether	3.989	45	345282	62.934	ug/l	97
23) Vinyl Acetate	3.951	43	1510602	317.788	ug/l	99
24) 1,1-Dichloroethane	3.867	63	197074	57.194	ug/l	99
25) 2-Butanone	4.697	43	577284	347.988	ug/l	100
26) 2,2-Dichloropropane	4.661	77	92597	29.954	ug/l	97
27) cis-1,2-Dichloroethene	4.665	96	111538	54.858	ug/l	95
28) Bromochloromethane	4.970	49	87374	64.647	ug/l	100
29) Tetrahydrofuran	5.047	42	366549	350.785	ug/l	99
30) Chloroform	5.086	83	204277	59.249	ug/l	99
31) Cyclohexane	5.385	56	131116	45.916	ug/l	100
32) 1,1,1-Trichloroethane	5.314	97	169398	54.156	ug/l	100
36) 1,1-Dichloropropene	5.523	75	122894	46.152	ug/l	100
37) Ethyl Acetate	4.796	43	394403	117.163	ug/l	99
38) Carbon Tetrachloride	5.523	117	148500	48.610	ug/l	99
39) Methylcyclohexane	6.761	83	119145	42.673	ug/l	99
40) Benzene	5.774	78	404750	51.486	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.970	41	109110	64.141	ug/l	98
42) 1,2-Dichloroethane	5.793	62	167679	54.488	ug/l	99
43) Isopropyl Acetate	5.909	43	288295	59.006	ug/l	98
44) Trichloroethene	6.539	130	97771	48.274	ug/l	96
45) 1,2-Dichloropropane	6.790	63	117124	59.180	ug/l	99
46) Dibromomethane	6.915	93	82576	55.847	ug/l	98
47) Bromodichloromethane	7.105	83	161723	54.085	ug/l	98
48) Methyl methacrylate	6.957	41	140581	64.094	ug/l	99
49) 1,4-Dioxane	6.963	88	86614	1766.504	ug/l	97
51) 4-Methyl-2-Pentanone	7.790	43	1089271	343.349	ug/l	99
52) Toluene	7.967	92	240600	51.167	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	155450	48.193	ug/l	98
54) cis-1,3-Dichloropropene	7.607	75	169780	50.795	ug/l	99
55) 1,1,2-Trichloroethane	8.401	97	116118	55.953	ug/l	99
56) Ethyl methacrylate	8.333	69	182618	55.389	ug/l	98
57) 1,3-Dichloropropane	8.574	76	201369	57.652	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.462	63	104889	154.376	ug/l	97
59) 2-Hexanone	8.684	43	929625	356.927	ug/l	100
60) Dibromochloromethane	8.809	129	131088	56.351	ug/l	99
61) 1,2-Dibromoethane	8.922	107	124183	54.335	ug/l	97
64) Tetrachloroethene	8.552	164	81286	49.077	ug/l	96
65) Chlorobenzene	9.446	112	267606	53.068	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.536	131	113721	59.413	ug/l	98
67) Ethyl Benzene	9.571	91	453404	53.310	ug/l	100
68) m/p-Xylenes	9.693	106	356404	107.144	ug/l	100
69) o-Xylene	10.102	106	183000	55.997	ug/l	98
70) Styrene	10.115	104	316153	58.815	ug/l	99
71) Bromoform	10.291	173	110312	62.333	ug/l #	100
73) Isopropylbenzene	10.484	105	472360	54.119	ug/l	98
74) N-amyl acetate	10.320	43	256970	57.751	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.783	83	229778	64.511	ug/l	98
76) 1,2,3-Trichloropropane	10.825	75	247283	56.729	ug/l	96
77) Bromobenzene	10.780	156	122100	52.089	ug/l	100
78) n-propylbenzene	10.905	91	529743	50.935	ug/l	100
79) 2-Chlorotoluene	10.986	91	341258	52.763	ug/l	99
80) 1,3,5-Trimethylbenzene	11.089	105	412694	54.371	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.545	75	57122	47.580	ug/l	97
82) 4-Chlorotoluene	11.095	91	392252	52.564	ug/l	99
83) tert-Butylbenzene	11.420	119	432325	59.345	ug/l	99
84) 1,2,4-Trimethylbenzene	11.468	105	439860	53.681	ug/l	100
85) sec-Butylbenzene	11.642	105	513175	56.308	ug/l	98
86) p-Isopropyltoluene	11.793	119	439374	56.140	ug/l	99
87) 1,3-Dichlorobenzene	11.745	146	237100	51.590	ug/l	100
88) 1,4-Dichlorobenzene	11.835	146	241113	50.781	ug/l	100
89) n-Butylbenzene	12.208	91	360007	46.132	ug/l	99
90) Hexachloroethane	12.475	117	83959	52.564	ug/l	100
91) 1,2-Dichlorobenzene	12.214	146	258725	55.726	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.995	75	59226	57.750	ug/l	98
93) 1,2,4-Trichlorobenzene	13.841	180	141505	46.446	ug/l	98
94) Hexachlorobutadiene	14.021	225	70906	48.555	ug/l	99
95) Naphthalene	14.085	128	503712	47.469	ug/l	99
96) 1,2,3-Trichlorobenzene	14.330	180	150651	49.925	ug/l	99

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

