

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052744.D
 Acq On : 19 Jan 2023 18:44
 Operator : JC/MD
 Sample : VU0119WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0119WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/20/2023
 Supervised By : Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 01:12:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U011923W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 20 01:04:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	213626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	350181	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	325033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	166263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	153639	49.938	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.880%		
35) Dibromofluoromethane	5.282	113	121042	49.641	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.280%		
50) Toluene-d8	7.893	98	453026	49.542	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.080%		
62) 4-Bromofluorobenzene	10.629	95	165754	49.622	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.240%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	47665	18.922	ug/l	96
3) Chloromethane	1.520	50	49679	19.200	ug/l	99
4) Vinyl Chloride	1.604	62	51597	19.993	ug/l	97
5) Bromomethane	1.858	94	25634	20.121	ug/l	94
6) Chloroethane	1.932	64	32378	19.847	ug/l	94
7) Trichlorofluoromethane	2.134	101	76935	19.364	ug/l	99
8) Diethyl Ether	2.372	74	29354	20.296	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.578	101	44226	19.249	ug/l	99
10) Methyl Iodide	2.719	142	37422	21.019	ug/l	99
11) Tert butyl alcohol	3.343	59	56278m	107.356	ug/l	
12) 1,1-Dichloroethene	2.575	96	43335	19.071	ug/l	96
13) Acrolein	2.488	56	50692	102.849	ug/l	100
14) Allyl chloride	2.919	41	72738	20.323	ug/l	98
15) Acrylonitrile	3.314	53	152892	105.703	ug/l	99
16) Acetone	2.639	43	149953	102.266	ug/l	100
17) Carbon Disulfide	2.790	76	128578	18.885	ug/l	99
18) Methyl Acetate	2.948	43	86198	21.240	ug/l	97
19) Methyl tert-butyl Ether	3.359	73	159619	20.734	ug/l	99
20) Methylene Chloride	3.041	84	54600	19.864	ug/l	98
21) trans-1,2-Dichloroethene	3.346	96	48264	19.704	ug/l	100
22) Diisopropyl ether	3.986	45	156466	21.021	ug/l	94
23) Vinyl Acetate	3.951	43	597401	104.603	ug/l	99
24) 1,1-Dichloroethane	3.864	63	94442	20.006	ug/l	100
25) 2-Butanone	4.706	43	199160	105.316	ug/l	100
26) 2,2-Dichloropropane	4.658	77	76884	19.853	ug/l	98
27) cis-1,2-Dichloroethene	4.661	96	55134	20.504	ug/l	97
28) Bromochloromethane	4.970	49	40631	20.620	ug/l	99
29) Tetrahydrofuran	5.050	42	120026	109.336	ug/l	99
30) Chloroform	5.083	83	94800	18.787	ug/l	100
31) Cyclohexane	5.382	56	83956	19.475	ug/l	98
32) 1,1,1-Trichloroethane	5.311	97	82260	19.902	ug/l	99
36) 1,1-Dichloropropene	5.523	75	68635	19.618	ug/l	99
37) Ethyl Acetate	4.800	43	74724	19.648	ug/l	98
38) Carbon Tetrachloride	5.520	117	67854	18.852	ug/l	98
39) Methylcyclohexane	6.758	83	79810	19.604	ug/l	98
40) Benzene	5.771	78	208018	19.691	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.970	41	38272	20.802	ug/l	98
42) 1,2-Dichloroethane	5.790	62	76380	20.023	ug/l	99
43) Isopropyl Acetate	5.906	43	108299	20.430	ug/l	99
44) Trichloroethene	6.539	130	51840	19.840	ug/l	98
45) 1,2-Dichloropropane	6.787	63	54607	20.041	ug/l	99
46) Dibromomethane	6.915	93	36171	19.169	ug/l	96
47) Bromodichloromethane	7.102	83	73674	19.512	ug/l	99
48) Methyl methacrylate	6.957	41	51171	21.183	ug/l	99
49) 1,4-Dioxane	7.034	88	21754	464.761	ug/l	96
51) 4-Methyl-2-Pentanone	7.790	43	363446	105.933	ug/l	100
52) Toluene	7.967	92	129650	20.293	ug/l	100
53) t-1,3-Dichloropropene	8.205	75	77743	19.711	ug/l	100
54) cis-1,3-Dichloropropene	7.603	75	83871	19.938	ug/l	99
55) 1,1,2-Trichloroethane	8.394	97	52466	20.118	ug/l	98
56) Ethyl methacrylate	8.330	69	78361	20.167	ug/l	99
57) 1,3-Dichloropropane	8.571	76	92083	20.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.462	63	9677	86.792	ug/l	98
59) 2-Hexanone	8.687	43	287534	108.790	ug/l	100
60) Dibromochloromethane	8.806	129	56489	19.725	ug/l	97
61) 1,2-Dibromoethane	8.918	107	55361	20.221	ug/l	98
64) Tetrachloroethene	8.549	164	45009	19.932	ug/l	99
65) Chlorobenzene	9.443	112	134729	19.589	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.529	131	49989	19.388	ug/l	99
67) Ethyl Benzene	9.565	91	232107	19.969	ug/l	99
68) m/p-Xylenes	9.690	106	187028	41.432	ug/l	99
69) o-Xylene	10.095	106	90694	21.046	ug/l	97
70) Styrene	10.111	104	147550	19.593	ug/l	99
71) Bromoform	10.288	173	43648	20.270	ug/l #	100
73) Isopropylbenzene	10.481	105	233767	21.342	ug/l	100
74) N-amyl acetate	10.317	43	92353	22.132	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.780	83	88769	20.456	ug/l	99
76) 1,2,3-Trichloropropane	10.819	75	95243	20.991	ug/l	100
77) Bromobenzene	10.777	156	58407	20.618	ug/l	98
78) n-propylbenzene	10.902	91	273890	21.261	ug/l	100
79) 2-Chlorotoluene	10.983	91	168984	21.228	ug/l	99
80) 1,3,5-Trimethylbenzene	11.082	105	199196	21.891	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.542	75	24261	20.778	ug/l	100
82) 4-Chlorotoluene	11.092	91	193745	21.354	ug/l	99
83) tert-Butylbenzene	11.417	119	197825	21.182	ug/l	99
84) 1,2,4-Trimethylbenzene	11.462	105	196587	21.767	ug/l	100
85) sec-Butylbenzene	11.639	105	242162	21.182	ug/l	100
86) p-Isopropyltoluene	11.790	119	202792	20.861	ug/l	99
87) 1,3-Dichlorobenzene	11.741	146	111727	20.690	ug/l	99
88) 1,4-Dichlorobenzene	11.832	146	112525	20.267	ug/l	100
89) n-Butylbenzene	12.204	91	169213	19.468	ug/l	99
90) Hexachloroethane	12.471	117	36436	19.536	ug/l	95
91) 1,2-Dichlorobenzene	12.208	146	111885	20.546	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.992	75	18960	21.056	ug/l	97
93) 1,2,4-Trichlorobenzene	13.835	180	66324	20.854	ug/l	99
94) Hexachlorobutadiene	14.015	225	34380	19.502	ug/l	99
95) Naphthalene	14.082	128	198378	20.344	ug/l	100
96) 1,2,3-Trichlorobenzene	14.323	180	66778	21.150	ug/l	99

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

