

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052735.D
 Acq On : 19 Jan 2023 13:21
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Jan 20 00:34:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U011923W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 20 00:33:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	188197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	311348	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	285353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	142767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	15460	5.236	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.480%#		
35) Dibromofluoromethane	5.282	113	11683	5.429	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.860%#		
50) Toluene-d8	7.893	98	42608	5.186	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.380%#		
62) 4-Bromofluorobenzene	10.629	95	14327	4.811	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.620%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	12197	5.262	ug/l	96
3) Chloromethane	1.520	50	13257	4.066	ug/l	94
4) Vinyl Chloride	1.604	62	12495	4.375	ug/l	100
5) Bromomethane	1.858	94	5498	3.397	ug/l	100
6) Chloroethane	1.932	64	8204	4.746	ug/l	97
7) Trichlorofluoromethane	2.131	101	18699	5.079	ug/l	92
8) Diethyl Ether	2.372	74	7295	4.893	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.575	101	11433	5.235	ug/l	97
10) Methyl Iodide	2.719	142	6424	2.926	ug/l	99
11) Tert butyl alcohol	3.359	59	11426m	19.774	ug/l	
12) 1,1-Dichloroethene	2.575	96	10788	5.012	ug/l	89
13) Acrolein	2.488	56	14743	22.072	ug/l	95
14) Allyl chloride	2.919	41	16938	4.082	ug/l	98
15) Acrylonitrile	3.317	53	33528	21.714	ug/l	100
16) Acetone	2.639	43	34566	23.050	ug/l	99
17) Carbon Disulfide	2.790	76	32164	4.754	ug/l	97
18) Methyl Acetate	2.948	43	18362	4.225	ug/l	98
19) Methyl tert-butyl Ether	3.359	73	35188	4.719	ug/l	93
20) Methylene Chloride	3.044	84	16068	5.043	ug/l	98
21) trans-1,2-Dichloroethene	3.350	96	11168	4.789	ug/l	97
22) Diisopropyl ether	3.986	45	34401	4.295	ug/l #	80
23) Vinyl Acetate	3.951	43	126054	20.237	ug/l	99
24) 1,1-Dichloroethane	3.864	63	22949	4.822	ug/l	98
25) 2-Butanone	4.713	43	43704	21.315	ug/l	97
26) 2,2-Dichloropropane	4.658	77	18748	5.007	ug/l	97
27) cis-1,2-Dichloroethene	4.665	96	12373	4.626	ug/l	93
28) Bromochloromethane	4.970	49	9619	4.447	ug/l	97
29) Tetrahydrofuran	5.057	42	24928	20.124	ug/l	96
30) Chloroform	5.086	83	24732	5.053	ug/l	99
31) Cyclohexane	5.378	56	22257	5.008	ug/l #	90
32) 1,1,1-Trichloroethane	5.308	97	19723	5.114	ug/l	97
36) 1,1-Dichloropropene	5.520	75	15672	4.725	ug/l	98
37) Ethyl Acetate	4.803	43	18416m	4.411	ug/l	
38) Carbon Tetrachloride	5.520	117	16442	5.250	ug/l	95
39) Methylcyclohexane	6.758	83	17598	4.609	ug/l	98
40) Benzene	5.767	78	50304	5.113	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	7752	3.986	ug/l	94
42) 1,2-Dichloroethane	5.790	62	18577	5.237	ug/l	98
43) Isopropyl Acetate	5.909	43	23275	4.260	ug/l	98
44) Trichloroethene	6.539	130	12285	5.239	ug/l	92
45) 1,2-Dichloropropane	6.787	63	13385	4.966	ug/l	95
46) Dibromomethane	6.912	93	8832	5.137	ug/l	97
47) Bromodichloromethane	7.102	83	17962	5.113	ug/l	99
48) Methyl methacrylate	6.960	41	9972	3.921	ug/l	98
49) 1,4-Dioxane	7.034	88	4516m	93.202	ug/l	
51) 4-Methyl-2-Pentanone	7.793	43	74846	21.016	ug/l	97
52) Toluene	7.967	92	29452	5.071	ug/l	99
53) t-1,3-Dichloropropene	8.208	75	16856	4.553	ug/l	98
54) cis-1,3-Dichloropropene	7.603	75	18218	4.544	ug/l	96
55) 1,1,2-Trichloroethane	8.398	97	12557	5.218	ug/l	99
56) Ethyl methacrylate	8.330	69	15005	4.274	ug/l	97
57) 1,3-Dichloropropane	8.571	76	21755	5.111	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.462	63	1936	15.503	ug/l #	79
59) 2-Hexanone	8.690	43	56816	20.850	ug/l	99
60) Dibromochloromethane	8.806	129	12973	5.162	ug/l	99
61) 1,2-Dibromoethane	8.922	107	12689	5.199	ug/l	95
64) Tetrachloroethene	8.549	164	10167	5.480	ug/l	88
65) Chlorobenzene	9.443	112	31787	5.263	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.529	131	12271	5.592	ug/l	97
67) Ethyl Benzene	9.568	91	50118	4.809	ug/l	99
68) m/p-Xylenes	9.690	106	37365	9.471	ug/l	100
69) o-Xylene	10.095	106	17858	4.755	ug/l	98
70) Styrene	10.111	104	28764	4.574	ug/l	100
71) Bromoform	10.288	173	9837	5.306	ug/l #	98
73) Isopropylbenzene	10.481	105	45499	4.699	ug/l	100
74) N-amyl acetate	10.320	43	16468	3.809	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.780	83	20140	4.957	ug/l	95
76) 1,2,3-Trichloropropane	10.819	75	20913	4.714	ug/l	90
77) Bromobenzene	10.780	156	13169	5.417	ug/l	97
78) n-propylbenzene	10.902	91	51621	4.406	ug/l	100
79) 2-Chlorotoluene	10.983	91	35329	4.916	ug/l	97
80) 1,3,5-Trimethylbenzene	11.082	105	36560	4.479	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.542	75	4411	3.841	ug/l	98
82) 4-Chlorotoluene	11.095	91	37629	4.610	ug/l	99
83) tert-Butylbenzene	11.417	119	39225	4.819	ug/l	98
84) 1,2,4-Trimethylbenzene	11.465	105	35652	4.434	ug/l	98
85) sec-Butylbenzene	11.639	105	45648	4.461	ug/l	99
86) p-Isopropyltoluene	11.790	119	37773	4.498	ug/l	97
87) 1,3-Dichlorobenzene	11.742	146	23488	5.009	ug/l	98
88) 1,4-Dichlorobenzene	11.835	146	25495	5.330	ug/l	96
89) n-Butylbenzene	12.205	91	32051	4.233	ug/l	97
90) Hexachloroethane	12.471	117	8036	4.907	ug/l	94
91) 1,2-Dichlorobenzene	12.211	146	24156	5.201	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.995	75	3973	4.579	ug/l	95
93) 1,2,4-Trichlorobenzene	13.838	180	11762	4.319	ug/l	99
94) Hexachlorobutadiene	14.015	225	7816	5.396	ug/l	92
95) Naphthalene	14.082	128	30373	3.737	ug/l	98
96) 1,2,3-Trichlorobenzene	14.327	180	12302	4.501	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

