

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044982.D
 Acq On : 29 Sep 2021 08:04
 Operator : SY/MD
 Sample : VU0928WBSD03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBSD03

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/29/2021
 Supervised By : Mahesh Dadoda 09/30/2021

Quant Time: Sep 29 08:47:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.378	168	105814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	221599	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	208241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	94437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	136378	77.426	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 154.860%#			
35) Dibromofluoromethane	5.295	113	89596	64.092	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 128.180%#			
50) Toluene-d8	7.902	98	288259	52.189	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.380%			
62) 4-Bromofluorobenzene	10.635	95	108523	47.590	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.388	85	16691	12.738	ug/l	99
3) Chloromethane	1.523	50	41350	24.363	ug/l	100
4) Vinyl Chloride	1.607	62	36602	21.598	ug/l	100
5) Bromomethane	1.858	94	32329	48.633	ug/l	98
6) Chloroethane	1.938	64	28455	21.857	ug/l	98
7) Trichlorofluoromethane	2.141	101	35075	15.672	ug/l	99
8) Diethyl Ether	2.382	74	29747	29.003	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.584	101	17204	13.517	ug/l	98
10) Methyl Iodide	2.729	142	24549	18.071	ug/l	95
11) Tert butyl alcohol	3.179	59	48993	96.914	ug/l	98
12) 1,1-Dichloroethene	2.584	96	25244	20.122	ug/l	96
13) Acrolein	2.488	56	12245	125.801	ug/l	100
14) Allyl chloride	2.928	41	54950	23.668	ug/l	97
15) Acrylonitrile	3.317	53	144808	142.033	ug/l	100
16) Acetone	2.629	43	124300	118.886	ug/l	99
17) Carbon Disulfide	2.800	76	71496	19.305	ug/l	100
18) Methyl Acetate	2.951	43	87408	28.604	ug/l	97
19) Methyl tert-butyl Ether	3.369	73	136824	28.252	ug/l	99
20) Methylene Chloride	3.051	84	42461	26.963	ug/l	96
21) trans-1,2-Dichloroethene	3.359	96	30850	22.479	ug/l	94
22) Diisopropyl ether	3.999	45	127472	26.892	ug/l	95
23) Vinyl Acetate	3.960	43	532669	138.171	ug/l	98
24) 1,1-Dichloroethane	3.877	63	70347	25.852	ug/l	99
25) 2-Butanone	4.706	43	190466	128.220	ug/l	99
26) 2,2-Dichloropropane	4.674	77	31031	13.488	ug/l	92
27) cis-1,2-Dichloroethene	4.671	96	40320	24.875	ug/l	93
28) Bromochloromethane	4.980	49	29951	26.556	ug/l	96
29) Tetrahydrofuran	5.054	42	123586	139.762	ug/l	96
30) Chloroform	5.096	83	70614	25.747	ug/l	98
31) Cyclohexane	5.391	56	35781	13.373	ug/l #	95
32) 1,1,1-Trichloroethane	5.324	97	46854	20.705	ug/l	98
36) 1,1-Dichloropropene	5.533	75	37268	16.082	ug/l	99
37) Ethyl Acetate	4.809	43	73085	23.836	ug/l	98
38) Carbon Tetrachloride	5.530	117	31773	15.845	ug/l	96
39) Methylcyclohexane	6.767	83	30022	10.553	ug/l	96
40) Benzene	5.780	78	141980	20.571	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.977	41	37655	23.855	ug/l	96
42) 1,2-Dichloroethane	5.800	62	65027	23.970	ug/l	100
43) Isopropyl Acetate	5.915	43	110366	23.925	ug/l	99
44) Trichloroethene	6.546	130	28770	17.679	ug/l	96
45) 1,2-Dichloropropane	6.796	63	40895	22.348	ug/l	98
46) Dibromomethane	6.922	93	29896	24.252	ug/l	100
47) Bromodichloromethane	7.111	83	54983	22.972	ug/l	98
48) Methyl methacrylate	6.964	41	50507	22.494	ug/l	94
49) 1,4-Dioxane	6.967	88	14774	227.308	ug/l	91
51) 4-Methyl-2-Pentanone	7.793	43	369698	110.086	ug/l	99
52) Toluene	7.973	92	79548	18.415	ug/l	98
53) t-1,3-Dichloropropene	8.214	75	55278	20.196	ug/l	98
54) cis-1,3-Dichloropropene	7.613	75	58808	20.627	ug/l	99
55) 1,1,2-Trichloroethane	8.404	97	41297	22.944	ug/l	99
56) Ethyl methacrylate	8.337	69	67061	20.310	ug/l	99
57) 1,3-Dichloropropane	8.581	76	72536	22.581	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.468	63	84438	90.849	ug/l	99
59) 2-Hexanone	8.687	43	286179	104.646	ug/l	99
60) Dibromochloromethane	8.816	129	37803	21.122	ug/l	98
61) 1,2-Dibromoethane	8.928	107	43125	22.540	ug/l	100
64) Tetrachloroethene	8.558	164	22552	16.593	ug/l	96
65) Chlorobenzene	9.452	112	81716	18.717	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.539	131	30066	19.725	ug/l	97
67) Ethyl Benzene	9.574	91	130993	16.305	ug/l	99
68) m/p-Xylenes	9.697	106	100324	32.143	ug/l	98
69) o-Xylene	10.105	106	52088	16.815	ug/l	100
70) Styrene	10.118	104	91364	17.581	ug/l	99
71) Bromoform	10.295	173	26777	19.032	ug/l #	97
73) Isopropylbenzene	10.488	105	115506	16.424	ug/l	99
74) N-amyl acetate	10.324	43	81225	22.938	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.787	83	71054	23.351	ug/l	99
76) 1,2,3-Trichloropropane	10.828	75	69380m	25.187	ug/l	
77) Bromobenzene	10.787	156	34440	20.281	ug/l	99
78) n-propylbenzene	10.909	91	137707	16.068	ug/l	98
79) 2-Chlorotoluene	10.989	91	93537	17.412	ug/l	100
80) 1,3,5-Trimethylbenzene	11.092	105	101802	16.524	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	17273	17.402	ug/l	96
82) 4-Chlorotoluene	11.098	91	104069	17.139	ug/l	99
83) tert-Butylbenzene	11.423	119	90226	15.057	ug/l	100
84) 1,2,4-Trimethylbenzene	11.471	105	110677	18.158	ug/l	98
85) sec-Butylbenzene	11.648	105	111198	14.409	ug/l	100
86) p-Isopropyltoluene	11.796	119	90813	14.629	ug/l	99
87) 1,3-Dichlorobenzene	11.751	146	57483	17.676	ug/l	100
88) 1,4-Dichlorobenzene	11.841	146	59195	17.794	ug/l	97
89) n-Butylbenzene	12.214	91	77743	13.597	ug/l	100
90) Hexachloroethane	12.481	117	15597	13.914	ug/l	94
91) 1,2-Dichlorobenzene	12.217	146	63376	19.064	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	13.002	75	17322	24.126	ug/l	96
93) 1,2,4-Trichlorobenzene	13.844	180	32250	17.408	ug/l	98
94) Hexachlorobutadiene	14.024	225	9935	12.846	ug/l	99
95) Naphthalene	14.089	128	143818	20.640	ug/l	100
96) 1,2,3-Trichlorobenzene	14.333	180	35229	18.934	ug/l	98

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

