

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044961.D
 Acq On : 28 Sep 2021 23:47
 Operator : SY/MD
 Sample : VU0928WBS03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Quant Time: Sep 29 05:49:14 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	5.378	168	153054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	285611	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	274687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	136512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	141999	55.735	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.460%			
35) Dibromofluoromethane	5.295	113	98440	54.636	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.280%			
50) Toluene-d8	7.902	98	392945	55.197	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.400%			
62) 4-Bromofluorobenzene	10.635	95	146839	49.961	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.388	85	38375	20.247	ug/l	99
3) Chloromethane	1.523	50	46748	19.042	ug/l	99
4) Vinyl Chloride	1.607	62	51643	21.068	ug/l	99
5) Bromomethane	1.858	94	34828	36.221	ug/l	99
6) Chloroethane	1.935	64	34457	18.298	ug/l	100
7) Trichlorofluoromethane	2.141	101	66353	20.497	ug/l	100
8) Diethyl Ether	2.382	74	30055	20.259	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.584	101	36396	19.770	ug/l	98
10) Methyl Iodide	2.729	142	33295	16.944	ug/l	96
11) Tert butyl alcohol	3.179	59	52824	72.240	ug/l	100
12) 1,1-Dichloroethene	2.584	96	36896	20.332	ug/l	96
13) Acrolein	2.491	56	12170	87.418	ug/l	96
14) Allyl chloride	2.928	41	65426	19.482	ug/l	96
15) Acrylonitrile	3.317	53	140367	95.183	ug/l	98
16) Acetone	2.629	43	120909	79.950	ug/l	100
17) Carbon Disulfide	2.800	76	105337	19.664	ug/l	97
18) Methyl Acetate	2.951	43	85592	19.365	ug/l	97
19) Methyl tert-butyl Ether	3.369	73	140766	20.095	ug/l	99
20) Methylene Chloride	3.051	84	45726	20.074	ug/l	96
21) trans-1,2-Dichloroethene	3.359	96	40198	20.250	ug/l	96
22) Diisopropyl ether	3.999	45	133965	19.539	ug/l	99
23) Vinyl Acetate	3.964	43	554118	99.371	ug/l	97
24) 1,1-Dichloroethane	3.877	63	80744	20.515	ug/l	100
25) 2-Butanone	4.706	43	189365	88.133	ug/l	97
26) 2,2-Dichloropropane	4.671	77	53322	16.024	ug/l	98
27) cis-1,2-Dichloroethene	4.674	96	47554	20.283	ug/l	96
28) Bromochloromethane	4.980	49	32118	19.688	ug/l	96
29) Tetrahydrofuran	5.054	42	123200	96.323	ug/l	95
30) Chloroform	5.095	83	80038	20.176	ug/l	98
31) Cyclohexane	5.391	56	74231	19.181	ug/l	92
32) 1,1,1-Trichloroethane	5.324	97	66832	20.418	ug/l	99
36) 1,1-Dichloropropene	5.533	75	59031	19.764	ug/l	99
37) Ethyl Acetate	4.809	43	73586	18.620	ug/l	98
38) Carbon Tetrachloride	5.533	117	50960	19.717	ug/l	99
39) Methylcyclohexane	6.767	83	68580	18.704	ug/l	96
40) Benzene	5.780	78	175195	19.694	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.976	41	39078	19.208	ug/l	97
42) 1,2-Dichloroethane	5.800	62	69312	19.824	ug/l	100
43) Isopropyl Acetate	5.915	43	111307	18.721	ug/l	99
44) Trichloroethene	6.546	130	41887	19.971	ug/l	97
45) 1,2-Dichloropropane	6.796	63	46047	19.524	ug/l	98
46) Dibromomethane	6.922	93	31435	19.785	ug/l	98
47) Bromodichloromethane	7.111	83	61285	19.866	ug/l	99
48) Methyl methacrylate	6.964	41	52726	18.219	ug/l	95
49) 1,4-Dioxane	6.967	88	17609	207.045	ug/l	94
51) 4-Methyl-2-Pentanone	7.793	43	373722	86.343	ug/l	98
52) Toluene	7.973	92	110361	19.822	ug/l	100
53) t-1,3-Dichloropropene	8.214	75	64864	18.387	ug/l	99
54) cis-1,3-Dichloropropene	7.613	75	71038	19.332	ug/l	98
55) 1,1,2-Trichloroethane	8.404	97	44303	19.098	ug/l	98
56) Ethyl methacrylate	8.336	69	72398	17.308	ug/l	99
57) 1,3-Dichloropropane	8.581	76	80672	19.485	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.468	63	87814	77.529	ug/l	97
59) 2-Hexanone	8.687	43	293046	83.140	ug/l	98
60) Dibromochloromethane	8.812	129	42058	18.531	ug/l	98
61) 1,2-Dibromoethane	8.928	107	46866	19.006	ug/l	99
64) Tetrachloroethene	8.555	164	37448	20.888	ug/l	99
65) Chlorobenzene	9.449	112	112247	19.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.539	131	37608	18.705	ug/l	99
67) Ethyl Benzene	9.574	91	209760	19.793	ug/l	99
68) m/p-Xylenes	9.697	106	159756	38.803	ug/l	98
69) o-Xylene	10.105	106	78460	19.201	ug/l	99
70) Styrene	10.118	104	130162	18.988	ug/l	99
71) Bromoform	10.295	173	30337	16.505	ug/l #	97
73) Isopropylbenzene	10.488	105	205082	20.173	ug/l	99
74) N-amyl acetate	10.324	43	91694	17.913	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.787	83	76762	17.451	ug/l	100
76) 1,2,3-Trichloropropane	10.828	75	72428m	18.190	ug/l	
77) Bromobenzene	10.787	156	46624	18.993	ug/l	97
78) n-propylbenzene	10.909	91	245647	19.829	ug/l	99
79) 2-Chlorotoluene	10.989	91	146536	18.870	ug/l	100
80) 1,3,5-Trimethylbenzene	11.092	105	175158	19.668	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	21152	14.742	ug/l	97
82) 4-Chlorotoluene	11.098	91	172513	19.654	ug/l	100
83) tert-Butylbenzene	11.423	119	164490	18.989	ug/l	99
84) 1,2,4-Trimethylbenzene	11.471	105	171902	19.511	ug/l	99
85) sec-Butylbenzene	11.648	105	219360	19.664	ug/l	100
86) p-Isopropyltoluene	11.796	119	179331	19.985	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	88426	18.810	ug/l	99
88) 1,4-Dichlorobenzene	11.841	146	90712	18.863	ug/l	97
89) n-Butylbenzene	12.214	91	161765	19.572	ug/l	100
90) Hexachloroethane	12.481	117	29083	17.948	ug/l	94
91) 1,2-Dichlorobenzene	12.214	146	90877	18.911	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	13.002	75	19046	18.351	ug/l	96
93) 1,2,4-Trichlorobenzene	13.844	180	53090	19.824	ug/l	98
94) Hexachlorobutadiene	14.024	225	21309	19.061	ug/l	98
95) Naphthalene	14.089	128	194418	19.302	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	53943	20.056	ug/l	100

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

