

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044960.D
 Acq On : 28 Sep 2021 23:23
 Operator : SY/MD
 Sample : VU0928WBS02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Manual Integrations
 APPROVED

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

Quant Time: Sep 29 05:48:58 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	154304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	284338	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	274785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	135996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	136295	53.062	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.120%			
35) Dibromofluoromethane	5.295	113	95419	53.197	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.400%			
50) Toluene-d8	7.902	98	374800	52.884	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.760%			
62) 4-Bromofluorobenzene	10.635	95	140557	48.038	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.080%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.388	85	31791	16.638	ug/l	97
3) Chloromethane	1.523	50	40128	16.213	ug/l	98
4) Vinyl Chloride	1.607	62	41575	16.823	ug/l	100
5) Bromomethane	1.858	94	29398	30.326	ug/l	99
6) Chloroethane	1.938	64	27623	14.550	ug/l	98
7) Trichlorofluoromethane	2.141	101	54437	16.680	ug/l	100
8) Diethyl Ether	2.382	74	24521	16.395	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.587	101	30315	16.333	ug/l	97
10) Methyl Iodide	2.729	142	24731	12.484	ug/l	96
11) Tert butyl alcohol	3.179	59	41088	55.735	ug/l	98
12) 1,1-Dichloroethene	2.584	96	30306	16.565	ug/l	96
13) Acrolein	2.491	56	13032	92.657	ug/l	95
14) Allyl chloride	2.928	41	52354	15.463	ug/l	94
15) Acrylonitrile	3.317	53	114876	77.266	ug/l	99
16) Acetone	2.629	43	97973	64.259	ug/l	99
17) Carbon Disulfide	2.796	76	86335	15.986	ug/l	99
18) Methyl Acetate	2.951	43	69009	15.486	ug/l	96
19) Methyl tert-butyl Ether	3.369	73	114139	16.162	ug/l	98
20) Methylene Chloride	3.050	84	38131	16.604	ug/l	95
21) trans-1,2-Dichloroethene	3.359	96	32574	16.276	ug/l	98
22) Diisopropyl ether	3.999	45	107078	15.491	ug/l	91
23) Vinyl Acetate	3.964	43	449783	80.007	ug/l	98
24) 1,1-Dichloroethane	3.877	63	66362	16.724	ug/l	99
25) 2-Butanone	4.706	43	151848	70.099	ug/l	99
26) 2,2-Dichloropropane	4.671	77	44372	13.226	ug/l	98
27) cis-1,2-Dichloroethene	4.671	96	38746	16.392	ug/l	96
28) Bromochloromethane	4.980	49	31601	19.214	ug/l	94
29) Tetrahydrofuran	5.054	42	99088	76.843	ug/l	95
30) Chloroform	5.092	83	65390	16.350	ug/l	98
31) Cyclohexane	5.394	56	61694	15.812	ug/l	95
32) 1,1,1-Trichloroethane	5.320	97	53919	16.340	ug/l	99
36) 1,1-Dichloropropene	5.533	75	48305	16.245	ug/l	100
37) Ethyl Acetate	4.809	43	60861	15.469	ug/l	98
38) Carbon Tetrachloride	5.529	117	41651	16.188	ug/l	99
39) Methylcyclohexane	6.767	83	55939	15.324	ug/l	99
40) Benzene	5.780	78	141228	15.947	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.976	41	31759	15.680	ug/l	97
42) 1,2-Dichloroethane	5.800	62	57993	16.661	ug/l	99
43) Isopropyl Acetate	5.915	43	89415	15.107	ug/l	99
44) Trichloroethene	6.545	130	34817	16.674	ug/l	100
45) 1,2-Dichloropropane	6.796	63	36716	15.637	ug/l	100
46) Dibromomethane	6.922	93	25869	16.355	ug/l	99
47) Bromodichloromethane	7.111	83	50452	16.428	ug/l	97
48) Methyl methacrylate	6.963	41	42349	14.699	ug/l	93
49) 1,4-Dioxane	6.967	88	11357	119.336	ug/l	97
51) 4-Methyl-2-Pentanone	7.793	43	302444	70.188	ug/l	99
52) Toluene	7.973	92	89782	16.198	ug/l	99
53) t-1,3-Dichloropropene	8.214	75	53309	15.179	ug/l	99
54) cis-1,3-Dichloropropene	7.610	75	57478	15.712	ug/l	97
55) 1,1,2-Trichloroethane	8.404	97	35816	15.508	ug/l	96
56) Ethyl methacrylate	8.336	69	58342	14.357	ug/l	98
57) 1,3-Dichloropropane	8.578	76	63320	15.363	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.468	63	87097	77.322	ug/l	98
59) 2-Hexanone	8.687	43	235508	67.115	ug/l	99
60) Dibromochloromethane	8.812	129	34404	15.614	ug/l	100
61) 1,2-Dibromoethane	8.925	107	37773	15.387	ug/l	99
64) Tetrachloroethene	8.558	164	30276	16.881	ug/l	98
65) Chlorobenzene	9.449	112	90715	15.746	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.536	131	30700	15.263	ug/l	98
67) Ethyl Benzene	9.574	91	169999	16.036	ug/l	98
68) m/p-Xylenes	9.696	106	130084	31.584	ug/l	97
69) o-Xylene	10.102	106	63002	15.413	ug/l	99
70) Styrene	10.118	104	103904	15.152	ug/l	98
71) Bromoform	10.295	173	24136	13.355	ug/l #	97
73) Isopropylbenzene	10.487	105	165168	16.309	ug/l	100
74) N-amyl acetate	10.323	43	73609	14.435	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.786	83	62405	14.241	ug/l	99
76) 1,2,3-Trichloropropane	10.828	75	58508m	14.750	ug/l	
77) Bromobenzene	10.786	156	38659	15.808	ug/l	96
78) n-propylbenzene	10.909	91	201489	16.326	ug/l	100
79) 2-Chlorotoluene	10.989	91	119822	15.489	ug/l	100
80) 1,3,5-Trimethylbenzene	11.092	105	139357	15.707	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	17015	11.904	ug/l	96
82) 4-Chlorotoluene	11.098	91	139722	15.979	ug/l	99
83) tert-Butylbenzene	11.423	119	132884	15.399	ug/l	99
84) 1,2,4-Trimethylbenzene	11.471	105	137926	15.714	ug/l	99
85) sec-Butylbenzene	11.648	105	176944	15.922	ug/l	100
86) p-Isopropyltoluene	11.796	119	142403	15.930	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	73550	15.705	ug/l	100
88) 1,4-Dichlorobenzene	11.838	146	73625	15.368	ug/l	98
89) n-Butylbenzene	12.211	91	128792	15.642	ug/l	99
90) Hexachloroethane	12.478	117	23554	14.591	ug/l	95
91) 1,2-Dichlorobenzene	12.214	146	73901	15.437	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	13.002	75	14992	14.500	ug/l	97
93) 1,2,4-Trichlorobenzene	13.844	180	41719	15.637	ug/l	98
94) Hexachlorobutadiene	14.024	225	16905	15.179	ug/l	97
95) Naphthalene	14.089	128	147852	14.735	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	41904	15.639	ug/l	99

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

