

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU044985.D
 Acq On : 29 Sep 2021 11:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 12:01:44 PM

Quant Time: Sep 29 14:20:17 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	5.379	168	174592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	305888	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.421	117	294870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	150286	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	136713	47.04	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.08%
35) Dibromofluoromethane	5.295	113	95779	49.64	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.28%
50) Toluene-d8	7.903	98	377398	49.50	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.00%
62) 4-Bromofluorobenzene	10.636	95	145939	46.36	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.72%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.389	85	101106	46.76	ug/l 100
3) Chloromethane	1.524	50	116897	41.74	ug/l 99
4) Vinyl Chloride	1.607	62	131793	47.13	ug/l 100
5) Bromomethane	1.852	94	84718	77.24	ug/l 100
6) Chloroethane	1.935	64	87225	40.61	ug/l 100
7) Trichlorofluoromethane	2.141	101	169931	46.02	ug/l 99
8) Diethyl Ether	2.379	74	78315	46.28	ug/l 90
9) 1,1,2-Trichlorotrifluo...	2.585	101	99216	47.24	ug/l 99
10) Methyl Iodide	2.726	142	97657	43.57	ug/l 97
11) Tert butyl alcohol	3.180	59	126206	151.30	ug/l 100
12) 1,1-Dichloroethene	2.585	96	96897	46.81	ug/l 95
13) Acrolein	2.488	56	41375	254.35	ug/l 97
14) Allyl chloride	2.929	41	173018	45.16	ug/l 94
15) Acrylonitrile	3.318	53	374211	222.45	ug/l 99
16) Acetone	2.627	43	413920	239.94	ug/l 100
17) Carbon Disulfide	2.797	76	279358	45.72	ug/l 99
18) Methyl Acetate	2.951	43	222876	44.20	ug/l 96
19) Methyl tert-butyl Ether	3.369	73	366839	45.91	ug/l 98
20) Methylene Chloride	3.051	84	117612	45.26	ug/l 95
21) trans-1,2-Dichloroethene	3.360	96	105906	46.77	ug/l 95
22) Diisopropyl ether	3.999	45	354581	45.34	ug/l 96
23) Vinyl Acetate	3.961	43	1479897	232.65	ug/l 98
24) 1,1-Dichloroethane	3.877	63	208408	46.42	ug/l 99
25) 2-Butanone	4.704	43	548836	223.92	ug/l 99
26) 2,2-Dichloropropane	4.671	77	175910	46.34	ug/l 99
27) cis-1,2-Dichloroethene	4.671	96	124399	46.51	ug/l 98
28) Bromochloromethane	4.980	49	92086	49.48	ug/l 95
29) Tetrahydrofuran	5.054	42	323648	221.82	ug/l 95
30) Chloroform	5.096	83	207399	45.83	ug/l 99
31) Cyclohexane	5.395	56	193154	43.75	ug/l 97
32) 1,1,1-Trichloroethane	5.324	97	173230	46.40	ug/l 99
36) 1,1-Dichloropropene	5.533	75	157188	49.14	ug/l 99
37) Ethyl Acetate	4.807	43	193695	45.76	ug/l 98
38) Carbon Tetrachloride	5.530	117	135171	48.83	ug/l 99
39) Methylcyclohexane	6.768	83	192990	49.14	ug/l 98
40) Benzene	5.781	78	452330	47.48	ug/l 99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.977	41	103005	47.27	ug/l	97
42) 1,2-Dichloroethane	5.800	62	177038	47.28	ug/l	99
43) Isopropyl Acetate	5.916	43	292436	45.93	ug/l	99
44) Trichloroethene	6.546	130	108780	48.43	ug/l	99
45) 1,2-Dichloropropane	6.797	63	119403	47.27	ug/l	97
46) Dibromomethane	6.922	93	81997	48.19	ug/l	99
47) Bromodichloromethane	7.112	83	161530	48.89	ug/l	100
48) Methyl methacrylate	6.964	41	139886	45.13	ug/l	95
49) 1,4-Dioxane	6.967	88	38510m	466.56	ug/l	
51) 4-Methyl-2-Pentanone	7.794	43	989467	213.45	ug/l	98
52) Toluene	7.974	92	289238	48.51	ug/l	99
53) t-1,3-Dichloropropene	8.215	75	182969	48.43	ug/l	99
54) cis-1,3-Dichloropropene	7.614	75	195343	49.64	ug/l	100
55) 1,1,2-Trichloroethane	8.404	97	114039	45.90	ug/l	100
56) Ethyl methacrylate	8.337	69	193005	40.37	ug/l	99
57) 1,3-Dichloropropane	8.581	76	205269	46.29	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.469	63	291384	194.31	ug/l	98
59) 2-Hexanone	8.687	43	790368	209.37	ug/l	98
60) Dibromochloromethane	8.816	129	112663	43.08	ug/l	100
61) 1,2-Dibromoethane	8.929	107	123701	46.84	ug/l	100
64) Tetrachloroethene	8.559	164	97704	50.77	ug/l	99
65) Chlorobenzene	9.453	112	292913	47.38	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.539	131	100580	46.60	ug/l	97
67) Ethyl Benzene	9.575	91	556722	48.94	ug/l	100
68) m/p-Xylenes	9.697	106	426130	96.42	ug/l	98
69) o-Xylene	10.105	106	207496	47.30	ug/l	99
70) Styrene	10.118	104	352404	47.89	ug/l	98
71) Bromoform	10.295	173	81914	39.82	ug/l #	99
73) Isopropylbenzene	10.488	105	544198	48.63	ug/l	100
74) N-amyl acetate	10.324	43	248771	44.15	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.787	83	201451	41.60	ug/l	100
76) 1,2,3-Trichloropropane	10.829	75	177215m	40.43	ug/l	
77) Bromobenzene	10.787	156	123984	45.88	ug/l	99
78) n-propylbenzene	10.909	91	678027	49.71	ug/l	100
79) 2-Chlorotoluene	10.990	91	392501	45.91	ug/l	100
80) 1,3,5-Trimethylbenzene	11.092	105	470660	48.01	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	66765	42.27	ug/l	99
82) 4-Chlorotoluene	11.099	91	462761	47.89	ug/l	99
83) tert-Butylbenzene	11.424	119	434956	45.61	ug/l	98
84) 1,2,4-Trimethylbenzene	11.472	105	467850	48.23	ug/l	100
85) sec-Butylbenzene	11.649	105	601409	48.97	ug/l	100
86) p-Isopropyltoluene	11.797	119	498174	50.43	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	241722	46.71	ug/l	99
88) 1,4-Dichlorobenzene	11.842	146	243434	45.98	ug/l	99
89) n-Butylbenzene	12.211	91	480262	52.78	ug/l	100
90) Hexachloroethane	12.481	117	79263	44.43	ug/l	99
91) 1,2-Dichlorobenzene	12.218	146	236449	44.69	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.999	75	50671	44.35	ug/l	99
93) 1,2,4-Trichlorobenzene	13.845	180	147477	50.02	ug/l	99
94) Hexachlorobutadiene	14.025	225	59579	48.41	ug/l	99
95) Naphthalene	14.092	128	517349	46.66	ug/l	100
96) 1,2,3-Trichlorobenzene	14.333	180	143873	48.59	ug/l	100

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

