

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050721\
 Data File : VU043601.D
 Acq On : 07 May 2021 10:17
 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
 5/10/2021 3:35:42 PM

Quant Time: May 08 01:05:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 06 07:26:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.382	168	117855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	192786	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	186037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	102680	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	114343	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	5.298	113	74387	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	7.906	98	276059	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	10.639	95	110026	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	75613	46.05	ug/l	98
3) Chloromethane	1.523	50	91591	45.13	ug/l	99
4) Vinyl Chloride	1.607	62	83619	44.70	ug/l	100
5) Bromomethane	1.835	94	45542	43.25	ug/l	97
6) Chloroethane	1.922	64	52561	43.81	ug/l	97
7) Trichlorofluoromethane	2.134	101	115944	45.76	ug/l	100
8) Diethyl Ether	2.379	74	44204	48.12	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.581	101	68351	48.68	ug/l	98
10) Methyl Iodide	2.726	142	76423	44.37	ug/l	100
11) Tert butyl alcohol	3.192	59	128170	200.24	ug/l	99
12) 1,1-Dichloroethene	2.581	96	63398	46.46	ug/l	95
13) Acrolein	2.488	56	74253	263.89	ug/l	99
14) Allyl chloride	2.925	41	165117	48.30	ug/l	99
15) Acrylonitrile	3.317	53	284059	244.49	ug/l	99
16) Acetone	2.629	43	358159	270.46	ug/l	99
17) Carbon Disulfide	2.797	76	195331	45.15	ug/l	99
18) Methyl Acetate	2.951	43	150580	49.74	ug/l	100
19) Methyl tert-butyl Ether	3.369	73	232795	49.61	ug/l	98
20) Methylene Chloride	3.051	84	82116	44.07	ug/l	99
21) trans-1,2-Dichloroethene	3.356	96	70349	47.42	ug/l	95
22) Diisopropyl ether	4.002	45	293114	49.99	ug/l	89
23) Vinyl Acetate	3.961	43	1533686	228.97	ug/l	100
24) 1,1-Dichloroethane	3.877	63	156326	46.12	ug/l	100
25) 2-Butanone	4.707	43	519177	254.29	ug/l	100
26) 2,2-Dichloropropane	4.671	77	127682	55.89	ug/l	98
27) cis-1,2-Dichloroethene	4.671	96	82066	47.95	ug/l	95
28) Bromochloromethane	4.980	49	85672	50.37	ug/l	99
29) Tetrahydrofuran	5.057	42	287838	248.26	ug/l	99
30) Chloroform	5.099	83	151862	46.34	ug/l	99
31) Cyclohexane	5.395	56	128271	45.05	ug/l	100
32) 1,1,1-Trichloroethane	5.324	97	129402	46.34	ug/l	99
36) 1,1-Dichloropropene	5.533	75	111379	50.89	ug/l	99
37) Ethyl Acetate	4.809	43	185216	49.96	ug/l	100
38) Carbon Tetrachloride	5.533	117	109054	49.16	ug/l	99
39) Methylcyclohexane	6.771	83	113316	53.58	ug/l	98
40) Benzene	5.780	78	322059	49.09	ug/l	99
41) Methacrylonitrile	4.980	41	101768	47.51	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.803	62	142138	49.34	ug/l	99
43) Isopropyl Acetate	5.919	43	277630	51.07	ug/l	99
44) Trichloroethene	6.549	130	78213	50.77	ug/l	96
45) 1,2-Dichloropropane	6.800	63	93320	48.27	ug/l	99
46) Dibromomethane	6.925	93	62296	51.11	ug/l	98
47) Bromodichloromethane	7.115	83	123744	50.15	ug/l	98
48) Methyl methacrylate	6.967	41	140729	51.52	ug/l	99
49) 1,4-Dioxane	6.970	88	42892	857.88	ug/l	98
51) 4-Methyl-2-Pentanone	7.800	43	1001846	226.98	ug/l	99
52) Toluene	7.976	92	192794	50.84	ug/l	98
53) t-1,3-Dichloropropene	8.218	75	136814	48.29	ug/l	99
54) cis-1,3-Dichloropropene	7.613	75	145191	53.82	ug/l	98
55) 1,1,2-Trichloroethane	8.407	97	83986	50.81	ug/l	97
56) Ethyl methacrylate	8.340	69	140923	45.57	ug/l	99
57) 1,3-Dichloropropane	8.584	76	149597	50.88	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.472	63	290387	296.82	ug/l	98
59) 2-Hexanone	8.690	43	813055	226.24	ug/l	100
60) Dibromochloromethane	8.819	129	89068	50.65	ug/l	100
61) 1,2-Dibromoethane	8.931	107	91542	51.26	ug/l	100
64) Tetrachloroethene	8.562	164	73321	51.03	ug/l	98
65) Chlorobenzene	9.456	112	202119	49.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.542	131	76854	48.67	ug/l	98
67) Ethyl Benzene	9.578	91	383443	46.80	ug/l	99
68) m/p-Xylenes	9.700	106	282736	94.36	ug/l	98
69) o-Xylene	10.108	106	137972	47.14	ug/l	99
70) Styrene	10.121	104	241049	46.63	ug/l	100
71) Bromoform	10.298	173	75078	46.03	ug/l #	100
73) Isopropylbenzene	10.491	105	374595	50.89	ug/l	100
74) N-ethyl acetate	10.327	43	247353	45.42	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.790	83	160441	46.21	ug/l	99
76) 1,2,3-Trichloropropane	10.832	75	159731m	48.92	ug/l	
77) Bromobenzene	10.790	156	92460	48.80	ug/l	99
78) n-propylbenzene	10.912	91	471682	52.42	ug/l	100
79) 2-Chlorotoluene	10.992	91	279237	50.06	ug/l	100
80) 1,3,5-Trimethylbenzene	11.095	105	332271	47.92	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.555	75	51206	51.08	ug/l	95
82) 4-Chlorotoluene	11.105	91	334736	52.52	ug/l	99
83) tert-Butylbenzene	11.430	119	309108	50.51	ug/l	99
84) 1,2,4-Trimethylbenzene	11.475	105	337278	48.07	ug/l	99
85) sec-Butylbenzene	11.652	105	400116	47.96	ug/l	99
86) p-Isopropyltoluene	11.799	119	343793	47.90	ug/l	100
87) 1,3-Dichlorobenzene	11.751	146	174640	48.73	ug/l	99
88) 1,4-Dichlorobenzene	11.844	146	175918	47.33	ug/l	98
89) n-Butylbenzene	12.217	91	339923	48.18	ug/l	100
90) Hexachloroethane	12.484	117	51442	49.96	ug/l	99
91) 1,2-Dichlorobenzene	12.221	146	176193	47.61	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	13.005	75	40981	47.89	ug/l	98
93) 1,2,4-Trichlorobenzene	13.848	180	117684	48.92	ug/l	98
94) Hexachlorobutadiene	14.031	225	56484	49.31	ug/l	98
95) Naphthalene	14.095	128	395335	45.52	ug/l	99
96) 1,2,3-Trichlorobenzene	14.336	180	119819	49.94	ug/l	100

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