

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU045011.D
 Acq On : 29 Sep 2021 22:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 12:01:06 PM

Quant Time: Sep 30 04:35:08 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	164074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	305522	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	298510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	146002	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	129117	47.27	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.54%
35) Dibromofluoromethane	5.292	113	90663	47.04	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.08%
50) Toluene-d8	7.903	98	358422	47.07	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.14%
62) 4-Bromofluorobenzene	10.636	95	142568	45.35	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.70%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.385	85	96043	47.27	ug/l 99
3) Chloromethane	1.520	50	112238	42.65	ug/l 98
4) Vinyl Chloride	1.604	62	132967	50.60	ug/l 99
5) Bromomethane	1.832	94	77016	74.72	ug/l 99
6) Chloroethane	1.922	64	89042	44.11	ug/l 99
7) Trichlorofluoromethane	2.131	101	173974	50.13	ug/l 98
8) Diethyl Ether	2.379	74	80329	50.51	ug/l 90
9) 1,1,2-Trichlorotrifluo...	2.578	101	96044	48.67	ug/l 99
10) Methyl Iodide	2.723	142	109012	51.75	ug/l 97
11) Tert butyl alcohol	3.189	59	169255	215.92	ug/l 99
12) 1,1-Dichloroethene	2.578	96	97615	50.18	ug/l 96
13) Acrolein	2.488	56	38159	249.67	ug/l 98
14) Allyl chloride	2.925	41	173525	48.20	ug/l 94
15) Acrylonitrile	3.314	53	385294	243.72	ug/l 99
16) Acetone	2.629	43	326665	201.50	ug/l 100
17) Carbon Disulfide	2.793	76	269747	46.97	ug/l 99
18) Methyl Acetate	2.948	43	226809	47.87	ug/l 95
19) Methyl tert-butyl Ether	3.369	73	385400	51.32	ug/l 99
20) Methylene Chloride	3.047	84	119822	49.07	ug/l 95
21) trans-1,2-Dichloroethene	3.353	96	105871	49.75	ug/l 93
22) Diisopropyl ether	3.996	45	368613	50.15	ug/l 97
23) Vinyl Acetate	3.957	43	1516530	253.70	ug/l 97
24) 1,1-Dichloroethane	3.874	63	211900	50.22	ug/l 99
25) 2-Butanone	4.703	43	528640	229.51	ug/l 97
26) 2,2-Dichloropropane	4.668	77	150772	42.27	ug/l 98
27) cis-1,2-Dichloroethene	4.671	96	127138	50.59	ug/l 96
28) Bromochloromethane	4.977	49	85529	48.91	ug/l 90
29) Tetrahydrofuran	5.054	42	336441	245.38	ug/l 95
30) Chloroform	5.092	83	213854	50.29	ug/l 99
31) Cyclohexane	5.391	56	189653	45.71	ug/l 94
32) 1,1,1-Trichloroethane	5.321	97	178121	50.76	ug/l 99
36) 1,1-Dichloropropene	5.530	75	155987	48.82	ug/l 99
37) Ethyl Acetate	4.806	43	200598	47.45	ug/l 98
38) Carbon Tetrachloride	5.526	117	136446	49.35	ug/l 98
39) Methylcyclohexane	6.768	83	187029	47.68	ug/l 97
40) Benzene	5.777	78	462798	48.63	ug/l 99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.977	41	108215	49.72	ug/l	97
42) 1,2-Dichloroethane	5.797	62	183564	49.08	ug/l	99
43) Isopropyl Acetate	5.915	43	307738	48.39	ug/l	98
44) Trichloroethene	6.546	130	111452	49.68	ug/l	99
45) 1,2-Dichloropropane	6.793	63	122381	48.51	ug/l	98
46) Dibromomethane	6.922	93	84573	49.76	ug/l	99
47) Bromodichloromethane	7.108	83	165409	50.12	ug/l	98
48) Methyl methacrylate	6.964	41	149871	48.41	ug/l	95
49) 1,4-Dioxane	6.964	88	62760	787.81	ug/l	94
51) 4-Methyl-2-Pentanone	7.793	43	1077707	232.76	ug/l	98
52) Toluene	7.973	92	295920	49.69	ug/l	100
53) t-1,3-Dichloropropene	8.214	75	182713	48.42	ug/l	100
54) cis-1,3-Dichloropropene	7.610	75	195640	49.77	ug/l	99
55) 1,1,2-Trichloroethane	8.404	97	122662	49.43	ug/l	100
56) Ethyl methacrylate	8.337	69	215837	44.98	ug/l	97
57) 1,3-Dichloropropane	8.578	76	214853	48.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	329217	216.94	ug/l	97
59) 2-Hexanone	8.687	43	857125	227.33	ug/l	98
60) Dibromochloromethane	8.812	129	117498	44.89	ug/l	99
61) 1,2-Dibromoethane	8.925	107	131061	49.69	ug/l	100
64) Tetrachloroethene	8.555	164	97040	49.81	ug/l	99
65) Chlorobenzene	9.449	112	304124	48.59	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.539	131	106153	48.58	ug/l	99
67) Ethyl Benzene	9.571	91	576927	50.10	ug/l	99
68) m/p-Xylenes	9.697	106	439714	98.28	ug/l	99
69) o-Xylene	10.102	106	219891	49.52	ug/l	99
70) Styrene	10.118	104	368777	49.50	ug/l	99
71) Bromoform	10.295	173	89305	42.80	ug/l #	99
73) Isopropylbenzene	10.488	105	571940	52.60	ug/l	99
74) N-amyl acetate	10.324	43	277076	50.61	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.787	83	224935	47.81	ug/l	99
76) 1,2,3-Trichloropropane	10.828	75	198982m	46.72	ug/l	
77) Bromobenzene	10.783	156	131248	49.99	ug/l	100
78) n-propylbenzene	10.909	91	700574	52.87	ug/l	100
79) 2-Chlorotoluene	10.989	91	411683	49.57	ug/l	100
80) 1,3,5-Trimethylbenzene	11.092	105	490401	51.49	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	67267	43.84	ug/l	98
82) 4-Chlorotoluene	11.099	91	473111	50.40	ug/l	100
83) tert-Butylbenzene	11.423	119	465829	50.28	ug/l	99
84) 1,2,4-Trimethylbenzene	11.472	105	536447	56.93	ug/l	99
85) sec-Butylbenzene	11.645	105	614361	51.49	ug/l	100
86) p-Isopropyltoluene	11.796	119	495549	51.63	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	244027	48.54	ug/l	100
88) 1,4-Dichlorobenzene	11.838	146	246956	48.02	ug/l	99
89) n-Butylbenzene	12.211	91	452805	51.23	ug/l	100
90) Hexachloroethane	12.478	117	84739	48.90	ug/l	96
91) 1,2-Dichlorobenzene	12.214	146	250736	48.79	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	55283	49.80	ug/l	98
93) 1,2,4-Trichlorobenzene	13.844	180	140069	48.90	ug/l	99
94) Hexachlorobutadiene	14.024	225	54122	45.27	ug/l	99
95) Naphthalene	14.089	128	552817	51.32	ug/l	100
96) 1,2,3-Trichlorobenzene	14.333	180	140578	48.87	ug/l	98

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

