

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028637.D
 Acq On : 12 Dec 2018 09:01
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 9:29:28 AM

Quant Time: Dec 13 00:55:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	118124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	199179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	182716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	83694	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
35) Dibromofluoromethane	4.88	113	64873	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	7.56	98	255629	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	10.30	95	94465	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	70690	44.648	ug/l 100
3) Chloromethane	1.33	50	118027	40.547	ug/l 99
4) Vinyl Chloride	1.40	62	94755	45.107	ug/l 100
5) Bromomethane	1.61	94	39565	46.757	ug/l 97
6) Chloroethane	1.69	64	55179	46.399	ug/l 98
7) Trichlorofluoromethane	1.88	101	100837	45.625	ug/l 100
8) Diethyl Ether	2.10	74	46635	45.101	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	62430	47.231	ug/l 99
10) Methyl Iodide	2.41	142	64310	62.006	ug/l 98
11) Tert butyl alcohol	2.83	59	86464	215.286	ug/l 99
12) 1,1-Dichloroethene	2.28	96	60575	46.059	ug/l 95
13) Acrolein	2.19	56	75890	237.030	ug/l 100
14) Allyl chloride	2.59	41	132194	42.489	ug/l 99
15) Acrylonitrile	2.93	53	258284	231.638	ug/l 99
16) Acetone	2.32	43	292647	248.784	ug/l 97
17) Carbon Disulfide	2.48	76	204936	43.254	ug/l 100
18) Methyl Acetate	2.61	43	144258	47.309	ug/l 98
19) Methyl tert-butyl Ether	3.00	73	229157	45.963	ug/l 99
20) Methylene Chloride	2.70	84	74194	42.786	ug/l 97
21) trans-1,2-Dichloroethene	2.98	96	67266	45.426	ug/l 93
22) Diisopropyl ether	3.57	45	270634	44.730	ug/l 98
23) Vinyl Acetate	3.52	43	1123939	225.211	ug/l 99
24) 1,1-Dichloroethane	3.44	63	138414	43.704	ug/l 99
25) 2-Butanone	4.26	43	378635	235.536	ug/l 97
26) 2,2-Dichloropropane	4.22	77	112815	44.955	ug/l 99
27) cis-1,2-Dichloroethene	4.22	96	78291	46.713	ug/l 96
28) Bromochloromethane	4.55	49	68371	47.487	ug/l 96
29) Tetrahydrofuran	4.63	42	231042	223.785	ug/l 97
30) Chloroform	4.67	83	125965	45.634	ug/l 97
31) Cyclohexane	4.99	56	137960	44.507	ug/l 100
32) 1,1,1-Trichloroethane	4.91	97	104275	45.484	ug/l 98
36) 1,1-Dichloropropene	5.13	75	98656	45.264	ug/l 97
37) Ethyl Acetate	4.38	43	131555	46.691	ug/l 99
38) Carbon Tetrachloride	5.13	117	84361	48.021	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	125358	47.144	ug/l	97
40) Benzene	5.39	78	304797	47.481	ug/l	97
41) Methacrylonitrile	4.54	41	75027	48.623	ug/l	99
42) 1,2-Dichloroethane	5.40	62	101498	45.170	ug/l	100
43) Isopropyl Acetate	5.55	43	212536	47.691	ug/l	99
44) Trichloroethene	6.18	130	69631	48.784	ug/l	97
45) 1,2-Dichloropropane	6.43	63	85992	47.636	ug/l	98
46) Dibromomethane	6.56	93	50761	47.393	ug/l	95
47) Bromodichloromethane	6.76	83	99837	47.901	ug/l	99
48) Methyl methacrylate	6.62	41	105448	47.580	ug/l	97
49) 1,4-Dioxane	6.61	88	32048	915.818	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	661287	235.267	ug/l	98
52) Toluene	7.64	92	181036	47.919	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	119330	48.073	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	128555	47.735	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	73760	49.391	ug/l	99
56) Ethyl methacrylate	8.02	69	127653	49.916	ug/l	97
57) 1,3-Dichloropropane	8.24	76	130285	46.997	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	331072	252.749	ug/l	98
59) 2-Hexanone	8.36	43	536633	240.875	ug/l	97
60) Dibromochloromethane	8.48	129	71296	48.762	ug/l	99
61) 1,2-Dibromoethane	8.58	107	77812	49.687	ug/l	99
64) Tetrachloroethene	8.22	164	58665	48.135	ug/l	97
65) Chlorobenzene	9.12	112	189677	48.716	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	63885	51.383	ug/l	98
67) Ethyl Benzene	9.25	91	349756	48.866	ug/l	98
68) m/p-Xylenes	9.37	106	259809	99.757	ug/l	99
69) o-Xylene	9.78	106	127191	50.254	ug/l	97
70) Styrene	9.79	104	209263	49.961	ug/l	99
71) Bromoform	9.96	173	55812	52.768	ug/l #	98
73) Isopropylbenzene	10.16	105	337794	48.970	ug/l	100
74) N-amyl acetate	10.01	43	189367	47.592	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	131667	49.689	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	105611m	46.008	ug/l	
77) Bromobenzene	10.45	156	80793	50.080	ug/l	96
78) n-propylbenzene	10.58	91	412791	48.159	ug/l	99
79) 2-Chlorotoluene	10.66	91	237429	48.088	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	283897	49.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	52049m	55.688	ug/l	
82) 4-Chlorotoluene	10.77	91	275852	47.147	ug/l	99
83) tert-Butylbenzene	11.10	119	272765	49.561	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	288498	49.026	ug/l	99
85) sec-Butylbenzene	11.32	105	348821	49.335	ug/l	99
86) p-Isopropyltoluene	11.48	119	295045	49.125	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	147320	48.360	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	148972	47.267	ug/l	98
89) n-Butylbenzene	11.89	91	289767	47.672	ug/l	99
90) Hexachloroethane	12.14	117	45418	50.031	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	147038	48.254	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28815	50.228	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	104199	49.768	ug/l	98
94) Hexachlorobutadiene	13.69	225	47575	47.664	ug/l	97
95) Naphthalene	13.74	128	347382	47.509	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	102850	49.355	ug/l	99

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

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