

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028573.D
 Acq On : 11 Dec 2018 00:02
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:10:24 PM

Quant Time: Dec 11 04:34:45 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	84266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	148160	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	137729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	67970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	69280	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	4.88	113	50770	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
50) Toluene-d8	7.57	98	200175	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
62) 4-Bromofluorobenzene	10.30	95	73482	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	54927	48.631	ug/l	98
3) Chloromethane	1.33	50	101776	49.013	ug/l	99
4) Vinyl Chloride	1.40	62	75285	50.239	ug/l	99
5) Bromomethane	1.60	94	39573	65.557	ug/l	98
6) Chloroethane	1.68	64	42411	49.991	ug/l	96
7) Trichlorofluoromethane	1.88	101	77350	49.060	ug/l	99
8) Diethyl Ether	2.10	74	35162	47.668	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	45749	48.517	ug/l	99
10) Methyl Iodide	2.40	142	40646	54.936	ug/l	98
11) Tert butyl alcohol	2.83	59	85450	298.249	ug/l	99
12) 1,1-Dichloroethene	2.28	96	45168	48.143	ug/l	96
13) Acrolein	2.19	56	58496	256.113	ug/l	97
14) Allyl chloride	2.59	41	122165	55.042	ug/l	92
15) Acrylonitrile	2.94	53	217817	273.836	ug/l	99
16) Acetone	2.32	43	177503	211.529	ug/l	99
17) Carbon Disulfide	2.47	76	161219	47.699	ug/l	100
18) Methyl Acetate	2.61	43	123165	56.620	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	180644	50.791	ug/l	100
20) Methylene Chloride	2.70	84	58105	46.972	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	51028	48.307	ug/l	98
22) Diisopropyl ether	3.57	45	228508	52.943	ug/l	97
23) Vinyl Acetate	3.52	43	946136	265.758	ug/l	100
24) 1,1-Dichloroethane	3.44	63	113747	50.346	ug/l	98
25) 2-Butanone	4.26	43	299806	261.434	ug/l	98
26) 2,2-Dichloropropane	4.22	77	79903	44.634	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	59973	50.161	ug/l	100
28) Bromochloromethane	4.55	49	58983	57.427	ug/l	97
29) Tetrahydrofuran	4.64	42	205790	279.415	ug/l	97
30) Chloroform	4.67	83	101316	51.452	ug/l	95
31) Cyclohexane	4.99	56	110764	50.244	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	83291	50.929	ug/l	99
36) 1,1-Dichloropropene	5.13	75	80312	49.536	ug/l	99
37) Ethyl Acetate	4.38	43	114046	54.415	ug/l	99
38) Carbon Tetrachloride	5.13	117	65949	50.467	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	92280	46.654	ug/l	98
40) Benzene	5.39	78	242075	50.696	ug/l	98
41) Methacrylonitrile	4.54	41	63571	55.386	ug/l	97
42) 1,2-Dichloroethane	5.40	62	84299	50.435	ug/l	98
43) Isopropyl Acetate	5.55	43	179356	54.104	ug/l	99
44) Trichloroethene	6.19	130	53737	50.613	ug/l	95
45) 1,2-Dichloropropane	6.43	63	69594	51.828	ug/l	97
46) Dibromomethane	6.56	93	40146	50.389	ug/l	99
47) Bromodichloromethane	6.76	83	79236	51.108	ug/l	99
48) Methyl methacrylate	6.62	41	91301	55.382	ug/l	97
49) 1,4-Dioxane	6.61	88	33972	1305.095	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	578639	276.753	ug/l	98
52) Toluene	7.64	92	141566	50.375	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	93461	50.617	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	98847	49.343	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	56752	51.088	ug/l	97
56) Ethyl methacrylate	8.02	69	98792	51.933	ug/l	96
57) 1,3-Dichloropropane	8.24	76	105437	51.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	244372	250.802	ug/l	99
59) 2-Hexanone	8.36	43	446893	269.668	ug/l	100
60) Dibromochloromethane	8.48	129	54663	50.260	ug/l	99
61) 1,2-Dibromoethane	8.58	107	60880	52.261	ug/l	99
64) Tetrachloroethene	8.23	164	46010	50.082	ug/l	97
65) Chlorobenzene	9.12	112	144269	49.157	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	48982	52.264	ug/l	99
67) Ethyl Benzene	9.25	91	270096	50.062	ug/l	100
68) m/p-Xylenes	9.37	106	197997	100.855	ug/l	98
69) o-Xylene	9.78	106	97202	50.949	ug/l	100
70) Styrene	9.79	104	161585	51.178	ug/l	100
71) Bromoform	9.96	173	42956	53.879	ug/l #	100
73) Isopropylbenzene	10.16	105	260357	49.919	ug/l	99
74) N-amyl acetate	10.01	43	160100	53.216	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	107107	53.459	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	100569m	57.944	ug/l	
77) Bromobenzene	10.45	156	60519	49.614	ug/l	97
78) n-propylbenzene	10.58	91	318633	49.165	ug/l	99
79) 2-Chlorotoluene	10.66	91	188614	50.525	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	217980	50.490	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	39436m	55.803	ug/l	
82) 4-Chlorotoluene	10.77	91	218374	49.363	ug/l	98
83) tert-Butylbenzene	11.10	119	206929	49.727	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	222967	50.112	ug/l	100
85) sec-Butylbenzene	11.32	105	265168	49.602	ug/l	100
86) p-Isopropyltoluene	11.48	119	221105	48.689	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	111985	48.620	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	112762	47.319	ug/l	99
89) n-Butylbenzene	11.89	91	218209	47.480	ug/l	99
90) Hexachloroethane	12.14	117	33985	49.513	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	112576	48.863	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	23386	53.915	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	74528	47.124	ug/l	97
94) Hexachlorobutadiene	13.69	225	33501	44.390	ug/l	97
95) Naphthalene	13.74	128	264789	47.895	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	75917	48.186	ug/l	97

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

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