

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028782.D
 Acq On : 19 Dec 2018 09:49
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 8:58:34 AM

Quant Time: Dec 20 05:50:23 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	113774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	182532	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88297	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.30	65	77811	44.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.64%	
35) Dibromofluoromethane	4.88	113	64977	56.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.14%	
50) Toluene-d8	7.56	98	258356	56.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.72%	
62) 4-Bromofluorobenzene	10.30	95	93009	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	72988	47.862	ug/l	98
3) Chloromethane	1.33	50	113983	40.655	ug/l	100
4) Vinyl Chloride	1.40	62	96722	47.804	ug/l	100
5) Bromomethane	1.60	94	48074	58.984	ug/l	95
6) Chloroethane	1.68	64	55374	48.343	ug/l	97
7) Trichlorofluoromethane	1.88	101	103301	48.527	ug/l	96
8) Diethyl Ether	2.10	74	48391	48.588	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.28	101	68080	53.474	ug/l	96
10) Methyl Iodide	2.41	142	66962	67.031	ug/l	95
11) Tert butyl alcohol	2.83	59	81768	211.378	ug/l	100
12) 1,1-Dichloroethene	2.28	96	66660	52.623	ug/l	87
13) Acrolein	2.19	56	65733	213.156	ug/l	99
14) Allyl chloride	2.59	41	120499	40.211	ug/l	95
15) Acrylonitrile	2.93	53	242773	226.052	ug/l	99
16) Acetone	2.32	43	240041	211.864	ug/l	92
17) Carbon Disulfide	2.47	76	220942	48.416	ug/l	100
18) Methyl Acetate	2.61	43	127889	43.544	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	227097	47.291	ug/l	99
20) Methylene Chloride	2.70	84	79545	47.626	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	72050	50.517	ug/l	93
22) Diisopropyl ether	3.57	45	253310	43.468	ug/l	97
23) Vinyl Acetate	3.52	43	1024466	213.128	ug/l	96
24) 1,1-Dichloroethane	3.44	63	141529	46.396	ug/l	98
25) 2-Butanone	4.26	43	330692	213.577	ug/l	94
26) 2,2-Dichloropropane	4.22	77	113772	47.070	ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	83415	51.673	ug/l	90
28) Bromochloromethane	4.54	49	62629	45.162	ug/l	85
29) Tetrahydrofuran	4.63	42	206470	207.631	ug/l	91
30) Chloroform	4.67	83	130064	48.920	ug/l	100
31) Cyclohexane	4.99	56	139047	46.629	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	105844	47.934	ug/l	96
36) 1,1-Dichloropropene	5.13	75	102740	51.436	ug/l	96
37) Ethyl Acetate	4.38	43	114448	44.324	ug/l	95
38) Carbon Tetrachloride	5.13	117	84994	52.794	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	132317	54.299	ug/l	93
40) Benzene	5.39	78	322508	54.822	ug/l	97
41) Methacrylonitrile	4.54	41	65703	46.464	ug/l	94
42) 1,2-Dichloroethane	5.40	62	100788	48.945	ug/l	97
43) Isopropyl Acetate	5.55	43	187475	45.904	ug/l	95
44) Trichloroethene	6.18	130	75462	57.691	ug/l	94
45) 1,2-Dichloropropane	6.43	63	88268	53.357	ug/l	99
46) Dibromomethane	6.56	93	53309	54.311	ug/l	93
47) Bromodichloromethane	6.76	83	100127	52.422	ug/l	99
48) Methyl methacrylate	6.62	41	92745	45.664	ug/l	90
49) 1,4-Dioxane	6.61	88	37417	1166.761	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	585440	227.279	ug/l	94
52) Toluene	7.64	92	193978	56.028	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	119912	52.713	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	131280	53.192	ug/l	92
55) 1,1,2-Trichloroethane	8.06	97	78993	57.719	ug/l	99
56) Ethyl methacrylate	8.02	69	124940	53.311	ug/l	88
57) 1,3-Dichloropropane	8.24	76	136033	53.546	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	288676	240.482	ug/l	95
59) 2-Hexanone	8.36	43	459735	225.178	ug/l	90
60) Dibromochloromethane	8.48	129	74735	55.776	ug/l	100
61) 1,2-Dibromoethane	8.58	107	82569	57.533	ug/l	100
64) Tetrachloroethene	8.22	164	66608	58.075	ug/l	99
65) Chlorobenzene	9.12	112	207133	56.531	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	69363	59.282	ug/l	98
67) Ethyl Benzene	9.25	91	366064	54.347	ug/l	99
68) m/p-Xylenes	9.37	106	279595	114.077	ug/l	97
69) o-Xylene	9.78	106	136079	57.132	ug/l	95
70) Styrene	9.79	104	226079	57.355	ug/l	97
71) Bromoform	9.96	173	58998	59.274	ug/l #	99
73) Isopropylbenzene	10.16	105	356777	52.658	ug/l	99
74) N-amyl acetate	10.01	43	164772	42.160	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	137547	52.848	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	117106m	51.939	ug/l	
77) Bromobenzene	10.45	156	88116	55.608	ug/l	91
78) n-propylbenzene	10.58	91	434049	51.556	ug/l	97
79) 2-Chlorotoluene	10.66	91	250450	51.644	ug/l	95
80) 1,3,5-Trimethylbenzene	10.77	105	300222	53.531	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	48707m	53.081	ug/l	
82) 4-Chlorotoluene	10.77	91	293078	50.999	ug/l	96
83) tert-Butylbenzene	11.10	119	288984	53.459	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	308767	53.420	ug/l	97
85) sec-Butylbenzene	11.32	105	367458	52.913	ug/l	98
86) p-Isopropyltoluene	11.48	119	315822	53.536	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	163817	54.750	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	164182	53.036	ug/l	98
89) n-Butylbenzene	11.89	91	301956	50.576	ug/l	99
90) Hexachloroethane	12.14	117	48359	54.235	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	161577	53.986	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26948	47.824	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	109860	53.360	ug/l	99
94) Hexachlorobutadiene	13.69	225	49633	50.626	ug/l	95
95) Naphthalene	13.74	128	351649	48.963	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	109733	53.599	ug/l	99

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

