

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028664.D
 Acq On : 12 Dec 2018 20:00
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 9:29:56 AM

Quant Time: Dec 13 02:52:53 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	81928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	142728	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	133301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	65104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	64837	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
35) Dibromofluoromethane	4.88	113	47096	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	7.57	98	182915	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	10.30	95	68580	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	51709	47.088	ug/l	100
3) Chloromethane	1.33	50	92122	45.630	ug/l	100
4) Vinyl Chloride	1.40	62	69206	47.500	ug/l	99
5) Bromomethane	1.60	94	28757	48.998	ug/l	98
6) Chloroethane	1.68	64	39393	47.759	ug/l	97
7) Trichlorofluoromethane	1.88	101	73284	47.808	ug/l	99
8) Diethyl Ether	2.10	74	33014	46.033	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	43602	47.560	ug/l	100
10) Methyl Iodide	2.41	142	45811	63.684	ug/l	98
11) Tert butyl alcohol	2.83	59	72200	259.194	ug/l	100
12) 1,1-Dichloroethene	2.28	96	42682	46.792	ug/l	99
13) Acrolein	2.19	56	55305	249.052	ug/l	99
14) Allyl chloride	2.59	41	102096	47.313	ug/l	99
15) Acrylonitrile	2.94	53	206255	266.700	ug/l	100
16) Acetone	2.32	43	168797	206.894	ug/l	99
17) Carbon Disulfide	2.48	76	147759	44.965	ug/l	100
18) Methyl Acetate	2.61	43	122054	57.711	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	174260	50.394	ug/l	99
20) Methylene Chloride	2.70	84	57477	47.790	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	48758	47.475	ug/l	98
22) Diisopropyl ether	3.57	45	219429	52.290	ug/l	98
23) Vinyl Acetate	3.52	43	904129	261.206	ug/l	99
24) 1,1-Dichloroethane	3.44	63	108834	49.546	ug/l	98
25) 2-Butanone	4.26	43	283791	254.531	ug/l	98
26) 2,2-Dichloropropane	4.22	77	80592	46.303	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	57619	49.567	ug/l	99
28) Bromochloromethane	4.55	49	55297	55.375	ug/l	96
29) Tetrahydrofuran	4.64	42	194721	271.931	ug/l	98
30) Chloroform	4.67	83	98806	51.609	ug/l	98
31) Cyclohexane	4.99	56	104095	48.526	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	79390	49.929	ug/l	99
36) 1,1-Dichloropropene	5.13	75	74575	47.748	ug/l	99
37) Ethyl Acetate	4.38	43	108015	53.499	ug/l	99
38) Carbon Tetrachloride	5.13	117	62810	49.895	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	88443	46.416	ug/l	98
40) Benzene	5.39	78	230477	50.104	ug/l	100
41) Methacrylonitrile	4.54	41	61913	55.994	ug/l	96
42) 1,2-Dichloroethane	5.40	62	80779	50.168	ug/l	98
43) Isopropyl Acetate	5.55	43	172805	54.112	ug/l	99
44) Trichloroethene	6.18	130	50712	49.581	ug/l	95
45) 1,2-Dichloropropane	6.43	63	68615	53.044	ug/l	99
46) Dibromomethane	6.56	93	38971	50.776	ug/l	98
47) Bromodichloromethane	6.76	83	75278	50.403	ug/l	99
48) Methyl methacrylate	6.62	41	86469	54.447	ug/l	99
49) 1,4-Dioxane	6.61	88	25012	997.450	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	551439	273.781	ug/l	99
52) Toluene	7.64	92	135598	50.088	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	89564	50.352	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	95632	49.555	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	55589	51.946	ug/l	97
56) Ethyl methacrylate	8.02	69	98357	53.672	ug/l	99
57) 1,3-Dichloropropane	8.24	76	102160	51.427	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	254097	270.708	ug/l	100
59) 2-Hexanone	8.36	43	422938	264.926	ug/l	99
60) Dibromochloromethane	8.48	129	52735	50.333	ug/l	99
61) 1,2-Dibromoethane	8.58	107	57841	51.542	ug/l	97
64) Tetrachloroethene	8.23	164	42120	47.371	ug/l	97
65) Chlorobenzene	9.12	112	140878	49.596	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	48220	53.160	ug/l	99
67) Ethyl Benzene	9.25	91	260122	49.815	ug/l	99
68) m/p-Xylenes	9.37	106	188808	99.369	ug/l	97
69) o-Xylene	9.78	106	94624	51.246	ug/l	99
70) Styrene	9.79	104	155981	51.045	ug/l	99
71) Bromoform	9.96	173	41097	53.260	ug/l #	100
73) Isopropylbenzene	10.16	105	249030	49.849	ug/l	100
74) N-amyl acetate	10.01	43	152156	52.802	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	103215	53.784	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	91046m	54.766	ug/l	
77) Bromobenzene	10.45	156	58322	49.918	ug/l	98
78) n-propylbenzene	10.58	91	307020	49.459	ug/l	99
79) 2-Chlorotoluene	10.66	91	181050	50.633	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	209898	50.758	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	32747m	48.448	ug/l	
82) 4-Chlorotoluene	10.77	91	207457	48.960	ug/l	99
83) tert-Butylbenzene	11.10	119	200348	50.265	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	215472	50.560	ug/l	99
85) sec-Butylbenzene	11.32	105	256222	50.039	ug/l	100
86) p-Isopropyltoluene	11.48	119	215353	49.510	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	108224	49.055	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	107353	47.032	ug/l	98
89) n-Butylbenzene	11.89	91	209724	47.642	ug/l	99
90) Hexachloroethane	12.14	117	34837	52.989	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	109206	49.487	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22798	54.873	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	71000	46.874	ug/l	100
94) Hexachlorobutadiene	13.69	225	33229	45.968	ug/l	97
95) Naphthalene	13.74	128	253757	47.920	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	74032	49.056	ug/l	99

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

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