

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028588.D
 Acq On : 11 Dec 2018 06:53
 Operator : MD/SY
 Sample : VU1211WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:11:12 PM

Quant Time: Dec 11 08:27:53 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	80391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	143084	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	132749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	62327	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	70111	57.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.30%	
35) Dibromofluoromethane	4.88	113	49622	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	
50) Toluene-d8	7.57	98	192898	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
62) 4-Bromofluorobenzene	10.30	95	69203	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	22750	21.113	ug/l	99
3) Chloromethane	1.33	50	41304	20.850	ug/l	100
4) Vinyl Chloride	1.41	62	29899	20.914	ug/l	99
5) Bromomethane	1.62	94	12823	22.267	ug/l	99
6) Chloroethane	1.69	64	16833	20.798	ug/l	98
7) Trichlorofluoromethane	1.88	101	31586	21.000	ug/l	100
8) Diethyl Ether	2.10	74	13898	19.749	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	18398	20.452	ug/l	96
10) Methyl Iodide	2.41	142	17151	24.298	ug/l	98
11) Tert butyl alcohol	2.83	59	31723	116.061	ug/l	99
12) 1,1-Dichloroethene	2.28	96	17991	20.100	ug/l	97
13) Acrolein	2.20	56	21666	99.433	ug/l	97
14) Allyl chloride	2.59	41	43595	20.589	ug/l	99
15) Acrylonitrile	2.94	53	86818	114.407	ug/l	99
16) Acetone	2.32	43	70749	88.375	ug/l	97
17) Carbon Disulfide	2.48	76	65008	20.161	ug/l	98
18) Methyl Acetate	2.62	43	49270	23.742	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	72043	21.232	ug/l	98
20) Methylene Chloride	2.70	84	23886	20.240	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	20578	20.420	ug/l	99
22) Diisopropyl ether	3.57	45	93354	22.672	ug/l	96
23) Vinyl Acetate	3.53	43	370763	109.163	ug/l	100
24) 1,1-Dichloroethane	3.45	63	45647	21.178	ug/l	99
25) 2-Butanone	4.26	43	118459	108.277	ug/l	98
26) 2,2-Dichloropropane	4.23	77	26904	15.753	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	24014	21.053	ug/l	97
28) Bromochloromethane	4.55	49	23417	23.898	ug/l	97
29) Tetrahydrofuran	4.64	42	84065	119.643	ug/l	97
30) Chloroform	4.67	83	41403	22.039	ug/l	97
31) Cyclohexane	4.99	56	46266	21.309	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	33167	21.258	ug/l	98
36) 1,1-Dichloropropene	5.14	75	30774	19.655	ug/l	99
37) Ethyl Acetate	4.38	43	46531	22.989	ug/l	97
38) Carbon Tetrachloride	5.14	117	25822	20.461	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	35596	18.635	ug/l	93
40) Benzene	5.39	78	97224	21.083	ug/l	97
41) Methacrylonitrile	4.54	41	25078	22.624	ug/l	98
42) 1,2-Dichloroethane	5.40	62	35022	21.696	ug/l	96
43) Isopropyl Acetate	5.55	43	69729	21.781	ug/l	99
44) Trichloroethene	6.19	130	20574	20.065	ug/l	99
45) 1,2-Dichloropropane	6.43	63	28005	21.596	ug/l	97
46) Dibromomethane	6.56	93	16054	20.865	ug/l	98
47) Bromodichloromethane	6.76	83	31203	20.840	ug/l	97
48) Methyl methacrylate	6.62	41	35168	22.089	ug/l	99
49) 1,4-Dioxane	6.61	88	12033	478.668	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	228957	113.391	ug/l	97
52) Toluene	7.64	92	56026	20.644	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	34456	19.323	ug/l	94
54) cis-1,3-Dichloropropene	7.27	75	38277	19.785	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	22543	21.013	ug/l	95
56) Ethyl methacrylate	8.02	69	38067	20.721	ug/l	96
57) 1,3-Dichloropropane	8.24	76	41855	21.017	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	86834	92.280	ug/l	100
59) 2-Hexanone	8.36	43	173651	108.504	ug/l	99
60) Dibromochloromethane	8.48	129	21235	20.217	ug/l	100
61) 1,2-Dibromoethane	8.58	107	23599	20.977	ug/l	98
64) Tetrachloroethene	8.22	164	18539	20.937	ug/l	96
65) Chlorobenzene	9.12	112	57258	20.241	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	19236	21.295	ug/l	99
67) Ethyl Benzene	9.25	91	102866	19.781	ug/l	98
68) m/p-Xylenes	9.37	106	77074	40.733	ug/l	99
69) o-Xylene	9.78	106	37617	20.457	ug/l	100
70) Styrene	9.79	104	61609	20.245	ug/l	100
71) Bromoform	9.96	173	16122	20.980	ug/l #	98
73) Isopropylbenzene	10.16	105	97895	20.469	ug/l	100
74) N-amyl acetate	10.01	43	59148	21.440	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	41381	22.524	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	36193m	22.741	ug/l	
77) Bromobenzene	10.45	156	23378	20.901	ug/l	99
78) n-propylbenzene	10.58	91	120013	20.195	ug/l	100
79) 2-Chlorotoluene	10.66	91	71243	20.812	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	83103	20.992	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	13435m	21.061	ug/l	
82) 4-Chlorotoluene	10.77	91	80353	19.808	ug/l	99
83) tert-Butylbenzene	11.10	119	77967	20.433	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	84187	20.634	ug/l	99
85) sec-Butylbenzene	11.32	105	98201	20.033	ug/l	99
86) p-Isopropyltoluene	11.48	119	81315	19.527	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	41124	19.471	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	42154	19.291	ug/l	100
89) n-Butylbenzene	11.89	91	76324	18.111	ug/l	99
90) Hexachloroethane	12.14	117	12417	19.728	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	41922	19.843	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8928	22.446	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	24829	17.658	ug/l	100
94) Hexachlorobutadiene	13.69	225	12439	17.975	ug/l	99
95) Naphthalene	13.74	128	90316	17.815	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	26797	18.639	ug/l	97

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

