

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028610.D
 Acq On : 11 Dec 2018 16:25
 Operator : MD/SY
 Sample : VU1213WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 11:48:57 AM

Quant Time: Dec 12 04:24:14 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	79781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	138396	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	127384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	58876	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	56230	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
35) Dibromofluoromethane	4.88	113	41626	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	7.56	98	161078	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
62) 4-Bromofluorobenzene	10.31	95	58431	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	18951	17.722	ug/l 95
3) Chloromethane	1.33	50	33056	16.814	ug/l 99
4) Vinyl Chloride	1.40	62	24252	17.093	ug/l 100
5) Bromomethane	1.61	94	10075	17.629	ug/l 92
6) Chloroethane	1.69	64	14160	17.629	ug/l 98
7) Trichlorofluoromethane	1.88	101	25863	17.326	ug/l 94
8) Diethyl Ether	2.10	74	11480	16.438	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	14762	16.535	ug/l 97
10) Methyl Iodide	2.41	142	13878	19.812	ug/l 99
11) Tert butyl alcohol	2.83	59	25083	92.470	ug/l 98
12) 1,1-Dichloroethene	2.28	96	14814	16.677	ug/l 94
13) Acrolein	2.19	56	17171	79.406	ug/l 98
14) Allyl chloride	2.59	41	35080	16.694	ug/l 99
15) Acrylonitrile	2.94	53	66688	88.552	ug/l 99
16) Acetone	2.32	43	69540	87.529	ug/l 98
17) Carbon Disulfide	2.48	76	52210	16.316	ug/l 100
18) Methyl Acetate	2.62	43	38476	18.682	ug/l 98
19) Methyl tert-butyl Ether	3.00	73	57728	17.144	ug/l 98
20) Methylene Chloride	2.70	84	18672	15.943	ug/l 97
21) trans-1,2-Dichloroethene	2.98	96	16883	16.881	ug/l 99
22) Diisopropyl ether	3.57	45	71350	17.460	ug/l 99
23) Vinyl Acetate	3.52	43	296530	87.974	ug/l 99
24) 1,1-Dichloroethane	3.44	63	36111	16.882	ug/l 99
25) 2-Butanone	4.26	43	96726	89.088	ug/l 99
26) 2,2-Dichloropropane	4.23	77	28951	17.081	ug/l 100
27) cis-1,2-Dichloroethene	4.23	96	19638	17.348	ug/l 99
28) Bromochloromethane	4.55	49	15843	16.292	ug/l 94
29) Tetrahydrofuran	4.64	42	62747	89.985	ug/l 98
30) Chloroform	4.67	83	33188	17.802	ug/l 97
31) Cyclohexane	5.00	56	36802	16.836	ug/l 94
32) 1,1,1-Trichloroethane	4.92	97	27021	17.451	ug/l 98
36) 1,1-Dichloropropene	5.14	75	25233	16.662	ug/l 98
37) Ethyl Acetate	4.38	43	34451	17.597	ug/l 98
38) Carbon Tetrachloride	5.13	117	21278	17.432	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	30279	16.388	ug/l	99
40) Benzene	5.39	78	76517	17.155	ug/l	99
41) Methacrylonitrile	4.55	41	18842	17.574	ug/l	99
42) 1,2-Dichloroethane	5.40	62	28027	17.951	ug/l	97
43) Isopropyl Acetate	5.55	43	54919	17.736	ug/l	99
44) Trichloroethene	6.19	130	17055	17.197	ug/l	100
45) 1,2-Dichloropropane	6.43	63	22238	17.729	ug/l	97
46) Dibromomethane	6.56	93	12949	17.400	ug/l	99
47) Bromodichloromethane	6.76	83	24996	17.260	ug/l	100
48) Methyl methacrylate	6.62	41	27217	17.674	ug/l	98
49) 1,4-Dioxane	6.61	88	9996	411.107	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	172980	88.570	ug/l	99
52) Toluene	7.64	92	44956	17.126	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	29265	16.968	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	32163	17.188	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	17949	17.298	ug/l	96
56) Ethyl methacrylate	8.02	69	31096	17.500	ug/l	99
57) 1,3-Dichloropropane	8.24	76	33244	17.259	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	73812	81.099	ug/l	99
59) 2-Hexanone	8.36	43	136040	87.882	ug/l	98
60) Dibromochloromethane	8.48	129	16921	16.656	ug/l	100
61) 1,2-Dibromoethane	8.58	107	19129	17.579	ug/l	99
64) Tetrachloroethene	8.23	164	14650	17.242	ug/l	96
65) Chlorobenzene	9.12	112	46655	17.188	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	15519	17.904	ug/l	99
67) Ethyl Benzene	9.25	91	84794	16.993	ug/l	98
68) m/p-Xylenes	9.37	106	62459	34.399	ug/l	99
69) o-Xylene	9.78	106	30279	17.160	ug/l	99
70) Styrene	9.79	104	48784	16.706	ug/l	99
71) Bromoform	9.96	173	12992	17.619	ug/l #	99
73) Isopropylbenzene	10.16	105	79704	17.642	ug/l	100
74) N-amyl acetate	10.01	43	46770	17.947	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	32876	18.944	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	28091m	18.685	ug/l	
77) Bromobenzene	10.45	156	19221	18.192	ug/l	99
78) n-propylbenzene	10.58	91	98836	17.606	ug/l	99
79) 2-Chlorotoluene	10.66	91	58247	18.013	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	66802	17.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	10089m	16.850	ug/l	
82) 4-Chlorotoluene	10.77	91	65937	17.207	ug/l	100
83) tert-Butylbenzene	11.10	119	63250	17.547	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	68912	17.880	ug/l	100
85) sec-Butylbenzene	11.32	105	80725	17.433	ug/l	100
86) p-Isopropyltoluene	11.47	119	67143	17.069	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	33967	17.025	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	33282	16.124	ug/l	94
89) n-Butylbenzene	11.89	91	63567	15.968	ug/l	99
90) Hexachloroethane	12.14	117	10500	17.660	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	34409	17.242	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	6753	17.973	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	21812	16.481	ug/l	99
94) Hexachlorobutadiene	13.69	225	10819	16.550	ug/l	100
95) Naphthalene	13.74	128	73996	15.452	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	21606	15.931	ug/l	98

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

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