

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028640.D
 Acq On : 12 Dec 2018 10:20
 Operator : MD/SY
 Sample : VU1213WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 9:29:32 AM

Quant Time: Dec 13 01:02:43 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	111021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	189821	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82272	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	78248	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
35) Dibromofluoromethane	4.88	113	59812	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	7.57	98	234084	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	10.30	95	84354	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	28249	18.983	ug/l	100
3) Chloromethane	1.33	50	48332	17.666	ug/l	98
4) Vinyl Chloride	1.40	62	38373	19.436	ug/l	99
5) Bromomethane	1.61	94	16167	20.328	ug/l	100
6) Chloroethane	1.69	64	22186	19.849	ug/l	95
7) Trichlorofluoromethane	1.88	101	40701	19.594	ug/l	99
8) Diethyl Ether	2.10	74	19177	19.733	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	24260	19.528	ug/l	99
10) Methyl Iodide	2.41	142	25311	25.966	ug/l	97
11) Tert butyl alcohol	2.83	59	36346	96.288	ug/l	99
12) 1,1-Dichloroethene	2.28	96	23175	18.749	ug/l	99
13) Acrolein	2.19	56	26201	87.070	ug/l	100
14) Allyl chloride	2.59	41	59128	20.220	ug/l	93
15) Acrylonitrile	2.94	53	105314	100.492	ug/l	99
16) Acetone	2.32	43	99745	90.220	ug/l	97
17) Carbon Disulfide	2.48	76	80409	18.057	ug/l	100
18) Methyl Acetate	2.62	43	63893	22.294	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	91698	19.569	ug/l	99
20) Methylene Chloride	2.70	84	30449	18.683	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	26600	19.113	ug/l	92
22) Diisopropyl ether	3.57	45	110002	19.344	ug/l	99
23) Vinyl Acetate	3.52	43	454096	96.812	ug/l	98
24) 1,1-Dichloroethane	3.44	63	56693	19.046	ug/l	99
25) 2-Butanone	4.26	43	147519	97.638	ug/l	99
26) 2,2-Dichloropropane	4.22	77	45238	19.180	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	30509	19.368	ug/l	97
28) Bromochloromethane	4.55	49	27324	20.192	ug/l	96
29) Tetrahydrofuran	4.64	42	96571	99.522	ug/l	98
30) Chloroform	4.67	83	51029	19.669	ug/l	99
31) Cyclohexane	4.99	56	55932	18.501	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	42169	19.571	ug/l	97
36) 1,1-Dichloropropene	5.13	75	38389	18.481	ug/l	98
37) Ethyl Acetate	4.38	43	52512	19.556	ug/l	99
38) Carbon Tetrachloride	5.13	117	33242	19.855	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	48514	19.144	ug/l	97
40) Benzene	5.39	78	121960	19.935	ug/l	97
41) Methacrylonitrile	4.54	41	29543	20.090	ug/l	98
42) 1,2-Dichloroethane	5.40	62	41602	19.427	ug/l	100
43) Isopropyl Acetate	5.55	43	84631	19.927	ug/l	99
44) Trichloroethene	6.18	130	27076	19.905	ug/l	98
45) 1,2-Dichloropropane	6.43	63	34722	20.183	ug/l	96
46) Dibromomethane	6.56	93	20319	19.906	ug/l	97
47) Bromodichloromethane	6.76	83	39113	19.691	ug/l	99
48) Methyl methacrylate	6.62	41	43302	20.502	ug/l	99
49) 1,4-Dioxane	6.61	88	12985	389.358	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	268108	100.088	ug/l	99
52) Toluene	7.64	92	71958	19.986	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	47304	19.996	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	50417	19.644	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	29630	20.819	ug/l	98
56) Ethyl methacrylate	8.02	69	50232	20.611	ug/l	98
57) 1,3-Dichloropropane	8.24	76	52630	19.921	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	130550	104.579	ug/l	100
59) 2-Hexanone	8.36	43	207997	97.965	ug/l	97
60) Dibromochloromethane	8.48	129	27922	20.038	ug/l	99
61) 1,2-Dibromoethane	8.58	107	30793	20.632	ug/l	97
64) Tetrachloroethene	8.23	164	23110	19.906	ug/l	98
65) Chlorobenzene	9.12	112	74138	19.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	25479	21.514	ug/l	99
67) Ethyl Benzene	9.25	91	135794	19.917	ug/l	100
68) m/p-Xylenes	9.37	106	99004	39.907	ug/l	98
69) o-Xylene	9.78	106	48926	20.294	ug/l	99
70) Styrene	9.79	104	78592	19.698	ug/l	99
71) Bromoform	9.96	173	21606	21.445	ug/l #	100
73) Isopropylbenzene	10.17	105	130046	20.600	ug/l	100
74) N-amyl acetate	10.01	43	74923	20.575	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	52552	21.670	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	45770m	21.787	ug/l	
77) Bromobenzene	10.45	156	30787	20.852	ug/l	97
78) n-propylbenzene	10.58	91	153753	19.600	ug/l	99
79) 2-Chlorotoluene	10.66	91	92107	20.384	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	107559	20.583	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	17147m	20.381	ug/l	
82) 4-Chlorotoluene	10.77	91	104127	19.446	ug/l	100
83) tert-Butylbenzene	11.10	119	102762	20.402	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	108753	20.193	ug/l	98
85) sec-Butylbenzene	11.32	105	130490	20.166	ug/l	99
86) p-Isopropyltoluene	11.48	119	109480	19.917	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	55641	19.958	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	55021	19.075	ug/l	98
89) n-Butylbenzene	11.89	91	102038	18.343	ug/l	99
90) Hexachloroethane	12.14	117	17523	21.091	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	55721	19.981	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11121	21.182	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	35902	19.262	ug/l	99
94) Hexachlorobutadiene	13.69	225	17067	18.683	ug/l	97
95) Naphthalene	13.74	128	126753	18.941	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	36624	19.293	ug/l	99

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

