

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
 Data File : VU027367.D
 Acq On : 03 Oct 2018 19:56
 Operator : MD/SY
 Sample : VU1004WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:52:27 PM

Quant Time: Oct 04 00:13:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	107488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	181676	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	167311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	83112	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	86599	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	4.89	113	61927	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	7.57	98	231899	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	10.31	95	80509	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	30499	19.681	ug/l	96
3) Chloromethane	1.33	50	40580	19.342	ug/l	97
4) Vinyl Chloride	1.40	62	37355	18.941	ug/l	98
5) Bromomethane	1.62	94	18992	22.255	ug/l	98
6) Chloroethane	1.70	64	21416	18.071	ug/l	97
7) Trichlorofluoromethane	1.89	101	40006	19.992	ug/l	98
8) Diethyl Ether	2.11	74	17578	19.069	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22704	19.537	ug/l	99
10) Methyl Iodide	2.41	142	26290	29.875	ug/l	99
11) Tert butyl alcohol	2.83	59	34040	90.060	ug/l	100
12) 1,1-Dichloroethene	2.29	96	21336	18.792	ug/l	99
13) Acrolein	2.20	56	13408	42.276	ug/l	97
14) Allyl chloride	2.59	41	47772	17.718	ug/l	98
15) Acrylonitrile	2.94	53	96466	98.059	ug/l	99
16) Acetone	2.32	43	89028	83.962	ug/l	99
17) Carbon Disulfide	2.48	76	71055	17.352	ug/l	99
18) Methyl Acetate	2.62	43	50978	21.075	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	83469	18.347	ug/l	98
20) Methylene Chloride	2.70	84	30120	20.393	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	23820	18.687	ug/l	99
22) Diisopropyl ether	3.58	45	105960	19.336	ug/l	95
23) Vinyl Acetate	3.53	43	438118	91.547	ug/l	100
24) 1,1-Dichloroethane	3.45	63	55578	19.728	ug/l	98
25) 2-Butanone	4.27	43	133075	92.034	ug/l	100
26) 2,2-Dichloropropane	4.23	77	41337	17.857	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	27298	18.726	ug/l	98
28) Bromochloromethane	4.55	49	28666	21.091	ug/l	100
29) Tetrahydrofuran	4.64	42	84923	93.194	ug/l	99
30) Chloroform	4.68	83	50507	20.179	ug/l	99
31) Cyclohexane	5.00	56	48847	16.811	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	41028	19.463	ug/l	97
36) 1,1-Dichloropropene	5.14	75	35587	18.041	ug/l	99
37) Ethyl Acetate	4.39	43	49461	19.401	ug/l	99
38) Carbon Tetrachloride	5.14	117	34564	19.398	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	37078	16.080	ug/l	93
40) Benzene	5.39	78	110198	19.178	ug/l	100
41) Methacrylonitrile	4.55	41	27223	18.892	ug/l	97
42) 1,2-Dichloroethane	5.41	62	42069	19.724	ug/l	99
43) Isopropyl Acetate	5.55	43	72340	18.270	ug/l	99
44) Trichloroethene	6.19	130	23176	18.089	ug/l	97
45) 1,2-Dichloropropane	6.43	63	32067	19.349	ug/l	98
46) Dibromomethane	6.56	93	19136	20.444	ug/l	99
47) Bromodichloromethane	6.76	83	38408	19.775	ug/l	99
48) Methyl methacrylate	6.63	41	35589	18.075	ug/l	99
49) 1,4-Dioxane	6.62	88	12635	372.957	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	252094	97.980	ug/l	98
52) Toluene	7.64	92	63689	18.727	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	41089	18.043	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	46082	18.824	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	27227	20.192	ug/l	98
56) Ethyl methacrylate	8.02	69	38444	16.483	ug/l	97
57) 1,3-Dichloropropane	8.24	76	49746	19.004	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	128672	95.981	ug/l	99
59) 2-Hexanone	8.36	43	190356	95.375	ug/l	98
60) Dibromochloromethane	8.48	129	26425	19.539	ug/l	99
61) 1,2-Dibromoethane	8.59	107	27988	19.522	ug/l	99
64) Tetrachloroethene	8.23	164	19841	19.050	ug/l	99
65) Chlorobenzene	9.12	112	66008	18.743	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	24797	20.396	ug/l	97
67) Ethyl Benzene	9.25	91	110229	17.666	ug/l	100
68) m/p-Xylenes	9.38	106	85322	37.383	ug/l	99
69) o-Xylene	9.78	106	40147	18.510	ug/l	97
70) Styrene	9.79	104	67582	18.202	ug/l	100
71) Bromoform	9.96	173	18632	19.048	ug/l #	99
73) Isopropylbenzene	10.17	105	107541	17.816	ug/l	99
74) N-amyl acetate	10.02	43	60286	17.446	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	47529	20.053	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	40245m	18.680	ug/l	
77) Bromobenzene	10.45	156	26774	19.085	ug/l	98
78) n-propylbenzene	10.59	91	130728	18.023	ug/l	99
79) 2-Chlorotoluene	10.66	91	81558	18.623	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	92566	18.835	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	14406m	17.500	ug/l	
82) 4-Chlorotoluene	10.77	91	92177	18.547	ug/l	98
83) tert-Butylbenzene	11.10	119	85001	17.891	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	94485	18.821	ug/l	99
85) sec-Butylbenzene	11.32	105	106874	17.854	ug/l	100
86) p-Isopropyltoluene	11.48	119	92564	18.060	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	48667	18.321	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	50349	18.548	ug/l	98
89) n-Butylbenzene	11.89	91	80673	16.204	ug/l	98
90) Hexachloroethane	12.15	117	18508	19.158	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	48316	18.686	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10000	19.037	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	29396	17.570	ug/l	100
94) Hexachlorobutadiene	13.69	225	15384	18.199	ug/l	97
95) Naphthalene	13.74	128	95649	16.377	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	31563	18.108	ug/l	99

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

