

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027165.D
 Acq On : 26 Sep 2018 10:23
 Operator : MD/SY
 Sample : VU0926WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:18 PM

Quant Time: Sep 27 01:28:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	79308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	132863	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	127223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66783	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	82403	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
35) Dibromofluoromethane	4.88	113	58229	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
50) Toluene-d8	7.57	98	216747	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	10.31	95	77381	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	17397	16.801	ug/l	97
3) Chloromethane	1.33	50	29724	16.650	ug/l	100
4) Vinyl Chloride	1.40	62	28221	16.935	ug/l	100
5) Bromomethane	1.62	94	14562	15.345	ug/l	96
6) Chloroethane	1.70	64	18364	17.247	ug/l	99
7) Trichlorofluoromethane	1.88	101	33256	17.571	ug/l	98
8) Diethyl Ether	2.10	74	15807	17.351	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	20741	17.822	ug/l	99
10) Methyl Iodide	2.41	142	14609	10.122	ug/l	100
11) Tert butyl alcohol	2.83	59	39214	107.183	ug/l	98
12) 1,1-Dichloroethene	2.28	96	18609	16.989	ug/l	94
13) Acrolein	2.20	56	14656	74.312	ug/l	96
14) Allyl chloride	2.59	41	45476	20.469	ug/l	99
15) Acrylonitrile	2.94	53	93008	100.864	ug/l	99
16) Acetone	2.32	43	99248	107.604	ug/l	98
17) Carbon Disulfide	2.48	76	57788	16.195	ug/l	99
18) Methyl Acetate	2.62	43	50032	22.022	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	82450	20.483	ug/l	98
20) Methylene Chloride	2.70	84	25770	18.027	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	21787	18.630	ug/l	95
22) Diisopropyl ether	3.57	45	103366	21.752	ug/l	98
23) Vinyl Acetate	3.52	43	423757	104.615	ug/l	98
24) 1,1-Dichloroethane	3.45	63	51644	19.733	ug/l	98
25) 2-Butanone	4.26	43	138735	103.423	ug/l	99
26) 2,2-Dichloropropane	4.23	77	41418	20.292	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	25377	19.214	ug/l	94
28) Bromochloromethane	4.55	49	27851	22.076	ug/l	94
29) Tetrahydrofuran	4.64	42	86771	106.930	ug/l	95
30) Chloroform	4.67	83	46502	19.142	ug/l	100
31) Cyclohexane	5.00	56	45058	18.578	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	38545	19.872	ug/l	98
36) 1,1-Dichloropropene	5.14	75	33449	18.864	ug/l	97
37) Ethyl Acetate	4.38	43	47404	19.748	ug/l	99
38) Carbon Tetrachloride	5.13	117	31878	18.891	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	36363	18.870	ug/l	99
40) Benzene	5.39	78	101395	18.810	ug/l	100
41) Methacrylonitrile	4.54	41	27702	22.221	ug/l	96
42) 1,2-Dichloroethane	5.40	62	40429	19.851	ug/l	99
43) Isopropyl Acetate	5.55	43	74904	21.396	ug/l	97
44) Trichloroethene	6.19	130	21735	18.940	ug/l	99
45) 1,2-Dichloropropane	6.43	63	30958	20.156	ug/l	97
46) Dibromomethane	6.56	93	17352	18.706	ug/l	98
47) Bromodichloromethane	6.76	83	35400	18.873	ug/l	99
48) Methyl methacrylate	6.62	41	37003	20.039	ug/l	95
49) 1,4-Dioxane	6.61	88	14522	382.702	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	251226	106.701	ug/l	99
52) Toluene	7.64	92	59305	19.193	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	40632	20.162	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	43462	19.614	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	25871	19.760	ug/l	99
56) Ethyl methacrylate	8.02	69	40235	19.128	ug/l	97
57) 1,3-Dichloropropane	8.24	76	47339	19.440	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	118956	95.337	ug/l	99
59) 2-Hexanone	8.36	43	193215	104.835	ug/l	97
60) Dibromochloromethane	8.48	129	25415	19.790	ug/l	99
61) 1,2-Dibromoethane	8.59	107	25674	18.847	ug/l	99
64) Tetrachloroethene	8.23	164	17988	18.349	ug/l	98
65) Chlorobenzene	9.12	112	61378	18.195	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	22529	19.390	ug/l	100
67) Ethyl Benzene	9.25	91	108280	19.520	ug/l	99
68) m/p-Xylenes	9.38	106	80393	36.750	ug/l	97
69) o-Xylene	9.78	106	39373	20.033	ug/l	100
70) Styrene	9.79	104	63138	18.392	ug/l	98
71) Bromoform	9.96	173	17096	19.027	ug/l #	98
73) Isopropylbenzene	10.17	105	106279	20.921	ug/l	99
74) N-amyl acetate	10.02	43	61696	20.981	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	44336	18.982	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	42258m	20.829	ug/l	
77) Bromobenzene	10.45	156	24243	19.528	ug/l	95
78) n-propylbenzene	10.59	91	124327	20.683	ug/l	100
79) 2-Chlorotoluene	10.66	91	77466	20.517	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	86803	20.699	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	11741m	18.519	ug/l	
82) 4-Chlorotoluene	10.77	91	85814	20.270	ug/l	99
83) tert-Butylbenzene	11.10	119	85044	20.513	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	89452	20.960	ug/l	98
85) sec-Butylbenzene	11.32	105	105677	20.881	ug/l	99
86) p-Isopropyltoluene	11.48	119	89961	19.520	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	44895	19.434	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	45226	17.963	ug/l	98
89) n-Butylbenzene	11.89	91	76555	18.227	ug/l	99
90) Hexachloroethane	12.15	117	17130	18.613	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	45483	18.535	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	9939	20.859	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	26201	18.528	ug/l	98
94) Hexachlorobutadiene	13.69	225	14671	19.608	ug/l	100
95) Naphthalene	13.75	128	90414	17.489	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	28307	18.666	ug/l	99

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

