

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112918\
 Data File : VU028390.D
 Acq On : 29 Nov 2018 13:51
 Operator : MD/SY
 Sample : VU1129WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:25:46 AM

Quant Time: Nov 30 07:32:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	249281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	450338	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	423472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	200976	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	209484	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	4.88	113	146782	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
50) Toluene-d8	7.56	98	578739	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	10.30	95	215672	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	65841	19.689	ug/l	95
3) Chloromethane	1.33	50	118914	18.346	ug/l	99
4) Vinyl Chloride	1.40	62	88765	19.573	ug/l	99
5) Bromomethane	1.63	94	31255	17.819	ug/l	98
6) Chloroethane	1.70	64	52213	20.008	ug/l	96
7) Trichlorofluoromethane	1.89	101	94768	20.117	ug/l	99
8) Diethyl Ether	2.10	74	43465	19.848	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	55662	20.284	ug/l	100
10) Methyl Iodide	2.41	142	48377	18.694	ug/l	99
11) Tert butyl alcohol	2.82	59	87168	92.099	ug/l	99
12) 1,1-Dichloroethene	2.29	96	53502	20.090	ug/l	97
13) Acrolein	2.20	56	73983	87.926	ug/l	100
14) Allyl chloride	2.59	41	134458	19.325	ug/l	96
15) Acrylonitrile	2.94	53	254715	101.740	ug/l	100
16) Acetone	2.32	43	213426	83.745	ug/l	98
17) Carbon Disulfide	2.48	76	187457	18.339	ug/l	98
18) Methyl Acetate	2.62	43	140355	19.780	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	216417	19.822	ug/l	99
20) Methylene Chloride	2.70	84	70683	19.619	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	60992	19.748	ug/l	97
22) Diisopropyl ether	3.57	45	272669	19.905	ug/l	96
23) Vinyl Acetate	3.52	43	1135146	99.694	ug/l	100
24) 1,1-Dichloroethane	3.45	63	135553	20.071	ug/l	99
25) 2-Butanone	4.26	43	352422	96.490	ug/l	99
26) 2,2-Dichloropropane	4.23	77	99935	18.631	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	71545	19.588	ug/l	98
28) Bromochloromethane	4.55	49	69107	20.464	ug/l	99
29) Tetrahydrofuran	4.64	42	240008	101.210	ug/l	100
30) Chloroform	4.67	83	121382	19.471	ug/l	94
31) Cyclohexane	5.00	56	139320	19.862	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	101839	20.359	ug/l	100
36) 1,1-Dichloropropene	5.14	75	95505	19.380	ug/l	100
37) Ethyl Acetate	4.38	43	134677	20.054	ug/l	98
38) Carbon Tetrachloride	5.13	117	76748	18.965	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	110828	19.075	ug/l	99
40) Benzene	5.39	78	287842	19.721	ug/l	99
41) Methacrylonitrile	4.54	41	75801	20.325	ug/l	98
42) 1,2-Dichloroethane	5.40	62	103090	19.606	ug/l	99
43) Isopropyl Acetate	5.55	43	213685	20.079	ug/l	99
44) Trichloroethene	6.19	130	61180	19.555	ug/l	99
45) 1,2-Dichloropropane	6.43	63	85668	20.043	ug/l	99
46) Dibromomethane	6.56	93	48636	19.810	ug/l	99
47) Bromodichloromethane	6.76	83	93126	19.070	ug/l	97
48) Methyl methacrylate	6.62	41	107618	19.413	ug/l	99
49) 1,4-Dioxane	6.61	88	30215	341.188	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	667988	98.278	ug/l	99
52) Toluene	7.64	92	164174	19.533	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	110721	18.961	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	118233	18.900	ug/l	96
55) 1,1,2-Trichloroethane	8.06	97	67112	19.186	ug/l	99
56) Ethyl methacrylate	8.02	69	115716	19.445	ug/l	97
57) 1,3-Dichloropropane	8.24	76	123230	19.210	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	302598	94.713	ug/l	100
59) 2-Hexanone	8.36	43	502685	95.478	ug/l	100
60) Dibromochloromethane	8.48	129	63876	19.200	ug/l	95
61) 1,2-Dibromoethane	8.58	107	73307	20.462	ug/l	99
64) Tetrachloroethene	8.22	164	51885	18.626	ug/l	97
65) Chlorobenzene	9.12	112	168469	19.159	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	56140	18.626	ug/l	99
67) Ethyl Benzene	9.25	91	319668	19.302	ug/l	100
68) m/p-Xylenes	9.38	106	230393	38.651	ug/l	99
69) o-Xylene	9.78	106	111304	18.783	ug/l	98
70) Styrene	9.79	104	187440	19.613	ug/l	99
71) Bromoform	9.96	173	48135	19.000	ug/l #	98
73) Isopropylbenzene	10.16	105	298957	19.126	ug/l	99
74) N-amyl acetate	10.01	43	183146	18.701	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	122201	19.011	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	104073m	18.674	ug/l	
77) Bromobenzene	10.45	156	69144	18.773	ug/l	99
78) n-propylbenzene	10.58	91	372823	19.335	ug/l	100
79) 2-Chlorotoluene	10.66	91	217227	19.110	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	249341	18.929	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	36994m	17.620	ug/l	
82) 4-Chlorotoluene	10.77	91	248706	18.990	ug/l	100
83) tert-Butylbenzene	11.10	119	240382	19.577	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	255240	19.131	ug/l	100
85) sec-Butylbenzene	11.32	105	307339	19.271	ug/l	98
86) p-Isopropyltoluene	11.48	119	255373	19.474	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	126411	18.818	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	128313	18.979	ug/l	98
89) n-Butylbenzene	11.89	91	257085	19.864	ug/l	100
90) Hexachloroethane	12.14	117	35208	17.197	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	126526	18.878	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25126	17.573	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	85817	19.561	ug/l	98
94) Hexachlorobutadiene	13.69	225	38947	18.801	ug/l	99
95) Naphthalene	13.74	128	301029	19.623	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	88315	19.904	ug/l	97

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

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