

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029154.D
 Acq On : 14 Jan 2019 10:34
 Operator : JC/SP
 Sample : VU0114WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2019 11:29:35 AM

Quant Time: Jan 14 23:08:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	122673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	194683	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	181367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89646	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	76050	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
35) Dibromofluoromethane	4.88	113	64157	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	7.56	98	251998	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	10.30	95	88241	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	22657	18.624	ug/l	97
3) Chloromethane	1.33	50	33014	16.535	ug/l	98
4) Vinyl Chloride	1.40	62	33128	18.478	ug/l	96
5) Bromomethane	1.62	94	20027	19.899	ug/l	96
6) Chloroethane	1.69	64	20344	19.051	ug/l	99
7) Trichlorofluoromethane	1.88	101	37523	19.208	ug/l	97
8) Diethyl Ether	2.10	74	17549	18.698	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	25752	19.701	ug/l	99
10) Methyl Iodide	2.41	142	22710	18.478	ug/l	99
11) Tert butyl alcohol	2.82	59	37578	97.487	ug/l	99
12) 1,1-Dichloroethene	2.28	96	24306	19.104	ug/l	98
13) Acrolein	2.19	56	26009	89.858	ug/l	99
14) Allyl chloride	2.59	41	42064	18.019	ug/l	92
15) Acrylonitrile	2.93	53	91930	97.210	ug/l	98
16) Acetone	2.32	43	97330	101.882	ug/l	100
17) Carbon Disulfide	2.48	76	76581	17.818	ug/l	99
18) Methyl Acetate	2.61	43	45822	20.629	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	86314	19.296	ug/l	99
20) Methylene Chloride	2.70	84	30876	19.036	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	27336	18.493	ug/l	94
22) Diisopropyl ether	3.57	45	92223	19.989	ug/l	96
23) Vinyl Acetate	3.52	43	372534	98.769	ug/l	99
24) 1,1-Dichloroethane	3.44	63	53242	19.990	ug/l	99
25) 2-Butanone	4.26	43	131359	101.805	ug/l	99
26) 2,2-Dichloropropane	4.22	77	43945	20.420	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	31958	19.767	ug/l	99
28) Bromochloromethane	4.55	49	24865	21.803	ug/l	99
29) Tetrahydrofuran	4.63	42	77537	99.078	ug/l	99
30) Chloroform	4.67	83	51705	20.382	ug/l	98
31) Cyclohexane	4.99	56	49893	19.152	ug/l	95
32) 1,1,1-Trichloroethane	4.91	97	41924	20.001	ug/l	98
36) 1,1-Dichloropropene	5.13	75	38753	19.915	ug/l	98
37) Ethyl Acetate	4.38	43	41423	19.393	ug/l	99
38) Carbon Tetrachloride	5.13	117	34391	21.190	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	47805	19.983	ug/l	98
40) Benzene	5.39	78	122037	20.105	ug/l	98
41) Methacrylonitrile	4.54	41	24087	21.067	ug/l	99
42) 1,2-Dichloroethane	5.40	62	38283	20.989	ug/l	99
43) Isopropyl Acetate	5.55	43	67138	20.490	ug/l	99
44) Trichloroethene	6.18	130	30923	20.561	ug/l	95
45) 1,2-Dichloropropane	6.43	63	32944	20.552	ug/l	99
46) Dibromomethane	6.56	93	20995	20.489	ug/l	98
47) Bromodichloromethane	6.76	83	39744	21.066	ug/l	99
48) Methyl methacrylate	6.62	41	33835	21.207	ug/l	99
49) 1,4-Dioxane	6.61	88	16413	434.093	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	225809	101.264	ug/l	100
52) Toluene	7.63	92	73482	19.886	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	45768	20.194	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	50144	20.476	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	31175	21.059	ug/l	97
56) Ethyl methacrylate	8.02	69	45579	19.985	ug/l	99
57) 1,3-Dichloropropane	8.24	76	51755	20.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	95029	94.746	ug/l	99
59) 2-Hexanone	8.36	43	175942	100.515	ug/l	100
60) Dibromochloromethane	8.47	129	30592	20.859	ug/l	98
61) 1,2-Dibromoethane	8.58	107	33254	20.712	ug/l	99
64) Tetrachloroethene	8.22	164	26581	20.345	ug/l	98
65) Chlorobenzene	9.12	112	80689	19.848	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	27652	20.959	ug/l	100
67) Ethyl Benzene	9.25	91	137613	20.275	ug/l	99
68) m/p-Xylenes	9.37	106	107783	40.870	ug/l	98
69) o-Xylene	9.78	106	51836	20.399	ug/l	100
70) Styrene	9.79	104	83880	20.136	ug/l	99
71) Bromoform	9.95	173	24138	20.548	ug/l #	100
73) Isopropylbenzene	10.16	105	136608	20.588	ug/l	99
74) N-amyl acetate	10.01	43	56448	19.742	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	53150	19.986	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	45216m	20.586	ug/l	
77) Bromobenzene	10.45	156	34283	19.826	ug/l	99
78) n-propylbenzene	10.58	91	162940	20.837	ug/l	99
79) 2-Chlorotoluene	10.66	91	94867	19.999	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	112937	20.382	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	14743m	17.311	ug/l	
82) 4-Chlorotoluene	10.77	91	107848	19.828	ug/l	99
83) tert-Butylbenzene	11.10	119	111151	20.352	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	114943	20.777	ug/l	100
85) sec-Butylbenzene	11.32	105	139058	21.053	ug/l	100
86) p-Isopropyltoluene	11.47	119	118207	21.002	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	62298	19.642	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	63941	19.530	ug/l	99
89) n-Butylbenzene	11.89	91	106953	21.291	ug/l	99
90) Hexachloroethane	12.14	117	19412	20.502	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	63341	19.827	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.65	75	10485	20.499	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	39989	19.609	ug/l	99
94) Hexachlorobutadiene	13.69	225	20806	22.306	ug/l	99
95) Naphthalene	13.74	128	125944	18.155	ug/l	99
96) 1,2,3-Trichlorobenzene	13.98	180	40838	19.926	ug/l	98

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

