

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110518\
 Data File : VU027944.D
 Acq On : 05 Nov 2018 10:07
 Operator : MD/SY
 Sample : VU1105WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 12:06:53 PM

Quant Time: Nov 06 03:58:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	187170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	319413	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	294012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	140023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	132832	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
35) Dibromofluoromethane	4.88	113	95956	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	7.57	98	372486	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
62) 4-Bromofluorobenzene	10.31	95	136504	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	40276	16.935	ug/l	98
3) Chloromethane	1.33	50	50666	17.615	ug/l	99
4) Vinyl Chloride	1.40	62	51169	17.924	ug/l	99
5) Bromomethane	1.63	94	24517	23.224	ug/l	100
6) Chloroethane	1.70	64	31075	18.889	ug/l	99
7) Trichlorofluoromethane	1.89	101	62276	18.878	ug/l	96
8) Diethyl Ether	2.11	74	26558	18.802	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	38647	19.721	ug/l	98
10) Methyl Iodide	2.41	142	31710	22.644	ug/l	96
11) Tert butyl alcohol	2.83	59	63703	86.472	ug/l	100
12) 1,1-Dichloroethene	2.29	96	36816	18.768	ug/l	97
13) Acrolein	2.20	56	19238	65.993	ug/l	94
14) Allyl chloride	2.59	41	86137	17.966	ug/l	98
15) Acrylonitrile	2.94	53	176487	97.528	ug/l	99
16) Acetone	2.32	43	171852	99.537	ug/l	98
17) Carbon Disulfide	2.48	76	115862	18.070	ug/l	99
18) Methyl Acetate	2.62	43	89308	18.804	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	154583	19.541	ug/l	98
20) Methylene Chloride	2.70	84	48140	19.097	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	40398	17.845	ug/l	95
22) Diisopropyl ether	3.58	45	190211	19.217	ug/l	96
23) Vinyl Acetate	3.53	43	831354	97.730	ug/l	99
24) 1,1-Dichloroethane	3.45	63	93325	18.929	ug/l	100
25) 2-Butanone	4.26	43	268952	97.917	ug/l	99
26) 2,2-Dichloropropane	4.23	77	74390	20.106	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	50319	19.821	ug/l	100
28) Bromochloromethane	4.55	49	47661	20.621	ug/l	99
29) Tetrahydrofuran	4.64	42	169805	92.582	ug/l	100
30) Chloroform	4.68	83	83738	18.524	ug/l	95
31) Cyclohexane	5.00	56	90916	17.700	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	67886	18.865	ug/l	98
36) 1,1-Dichloropropene	5.14	75	62974	18.825	ug/l	99
37) Ethyl Acetate	4.39	43	95526	19.489	ug/l	98
38) Carbon Tetrachloride	5.14	117	57455	19.380	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	78664	19.496	ug/l	98
40) Benzene	5.39	78	198419	19.400	ug/l	100
41) Methacrylonitrile	4.54	41	52655	20.129	ug/l	99
42) 1,2-Dichloroethane	5.41	62	70499	19.392	ug/l	98
43) Isopropyl Acetate	5.55	43	152143	19.812	ug/l	99
44) Trichloroethene	6.19	130	42424	19.297	ug/l	98
45) 1,2-Dichloropropane	6.43	63	57816	19.601	ug/l	95
46) Dibromomethane	6.56	93	33372	19.683	ug/l	97
47) Bromodichloromethane	6.76	83	65671	20.099	ug/l	99
48) Methyl methacrylate	6.62	41	75236	19.992	ug/l	99
49) 1,4-Dioxane	6.62	88	20910	340.568	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	491833	95.901	ug/l	100
52) Toluene	7.64	92	114934	19.114	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	76586	19.597	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	83763	20.796	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	47788	19.535	ug/l	99
56) Ethyl methacrylate	8.02	69	85926	19.918	ug/l	99
57) 1,3-Dichloropropane	8.24	76	86668	19.449	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	227492	98.459	ug/l	100
59) 2-Hexanone	8.36	43	385822	97.268	ug/l	100
60) Dibromochloromethane	8.48	129	48309	20.869	ug/l	97
61) 1,2-Dibromoethane	8.59	107	50804	19.545	ug/l	99
64) Tetrachloroethene	8.23	164	36462	19.126	ug/l	99
65) Chlorobenzene	9.12	112	119642	19.261	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	43196	20.359	ug/l	98
67) Ethyl Benzene	9.25	91	225185	19.695	ug/l	100
68) m/p-Xylenes	9.38	106	163663	39.450	ug/l	100
69) o-Xylene	9.78	106	80296	19.167	ug/l	99
70) Styrene	9.79	104	129609	19.363	ug/l	100
71) Bromoform	9.96	173	34867	19.609	ug/l #	100
73) Isopropylbenzene	10.17	105	219078	20.196	ug/l	99
74) N-amyl acetate	10.01	43	130362	19.874	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	86062	19.669	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	74355m	19.414	ug/l	
77) Bromobenzene	10.45	156	50834	20.437	ug/l	97
78) n-propylbenzene	10.59	91	259993	20.024	ug/l	99
79) 2-Chlorotoluene	10.66	91	151882	19.515	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	180602	20.098	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	28905m	19.007	ug/l	
82) 4-Chlorotoluene	10.77	91	169820	19.220	ug/l	100
83) tert-Butylbenzene	11.10	119	174145	19.385	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	180452	19.943	ug/l	99
85) sec-Butylbenzene	11.32	105	218601	20.009	ug/l	100
86) p-Isopropyltoluene	11.48	119	182172	19.946	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	89289	19.433	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	92306	19.600	ug/l	99
89) n-Butylbenzene	11.89	91	172169	19.835	ug/l	100
90) Hexachloroethane	12.14	117	33152	20.388	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	91232	19.744	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18933	20.535	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	59150	18.688	ug/l	100
94) Hexachlorobutadiene	13.69	225	28910	19.686	ug/l	98
95) Naphthalene	13.74	128	212008	18.344	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	62071	20.019	ug/l	99

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

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