

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012119\
 Data File : VU029238.D
 Acq On : 21 Jan 2019 10:56
 Operator : JC/SP
 Sample : VU0121WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 10:40:12 AM

Quant Time: Jan 22 01:34:21 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	111900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	181925	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	168442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70708	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	69999	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.20%		
35) Dibromofluoromethane	4.88	113	60909	51.65	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.30%		
50) Toluene-d8	7.56	98	232353	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.82%		
62) 4-Bromofluorobenzene	10.31	95	77498	46.32	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.64%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	19416	17.496	ug/l	99
3) Chloromethane	1.33	50	29550	16.211	ug/l	99
4) Vinyl Chloride	1.41	62	29733	18.181	ug/l	99
5) Bromomethane	1.62	94	17191	18.535	ug/l	100
6) Chloroethane	1.70	64	17372	17.834	ug/l	98
7) Trichlorofluoromethane	1.89	101	33115	18.583	ug/l	98
8) Diethyl Ether	2.10	74	15437	18.031	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	21563	18.085	ug/l	97
10) Methyl Iodide	2.41	142	23596	21.047	ug/l	99
11) Tert butyl alcohol	2.82	59	35472	100.883	ug/l	99
12) 1,1-Dichloroethene	2.29	96	20357	17.541	ug/l	92
13) Acrolein	2.20	56	18559	70.292	ug/l	100
14) Allyl chloride	2.59	41	43402m	20.382	ug/l	
15) Acrylonitrile	2.93	53	91605	106.192	ug/l	98
16) Acetone	2.32	43	95648	109.760	ug/l	98
17) Carbon Disulfide	2.48	76	65797	16.750	ug/l	100
18) Methyl Acetate	2.61	43	48013	23.696	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	81110	19.879	ug/l	99
20) Methylene Chloride	2.70	84	27779	18.775	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	24015	17.810	ug/l	93
22) Diisopropyl ether	3.57	45	86488	20.551	ug/l	94
23) Vinyl Acetate	3.52	43	345874	100.530	ug/l	99
24) 1,1-Dichloroethane	3.45	63	48602	20.005	ug/l	99
25) 2-Butanone	4.26	43	129792	110.275	ug/l	97
26) 2,2-Dichloropropane	4.22	77	39954	20.353	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	29083	19.721	ug/l	98
28) Bromochloromethane	4.55	49	20971	20.159	ug/l	99
29) Tetrahydrofuran	4.63	42	76269	106.840	ug/l	98
30) Chloroform	4.67	83	47089	20.349	ug/l	97
31) Cyclohexane	5.00	56	43920	18.442	ug/l	90
32) 1,1,1-Trichloroethane	4.91	97	37981	19.864	ug/l	98
36) 1,1-Dichloropropene	5.13	75	34196	18.805	ug/l	98
37) Ethyl Acetate	4.38	43	42118	21.101	ug/l	99
38) Carbon Tetrachloride	5.13	117	30672	20.223	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	39928	17.861	ug/l	96
40) Benzene	5.39	78	110884	19.549	ug/l	100
41) Methacrylonitrile	4.54	41	23102	21.622	ug/l	97
42) 1,2-Dichloroethane	5.40	62	35545	20.855	ug/l	99
43) Isopropyl Acetate	5.55	43	64572	21.089	ug/l	99
44) Trichloroethene	6.19	130	27006	19.216	ug/l	94
45) 1,2-Dichloropropane	6.43	63	30378	20.280	ug/l	100
46) Dibromomethane	6.56	93	19238	20.091	ug/l	98
47) Bromodichloromethane	6.76	83	36700	20.817	ug/l	99
48) Methyl methacrylate	6.62	41	32358	21.704	ug/l	98
49) 1,4-Dioxane	6.61	88	16206	458.676	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	222819	106.930	ug/l	98
52) Toluene	7.63	92	65871	19.076	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	41659	19.670	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	45467	19.868	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	28697	20.745	ug/l	97
56) Ethyl methacrylate	8.02	69	41761	19.595	ug/l	98
57) 1,3-Dichloropropane	8.24	76	48276	20.395	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	89798	95.809	ug/l	98
59) 2-Hexanone	8.36	43	174514	106.691	ug/l	98
60) Dibromochloromethane	8.47	129	28473	20.776	ug/l	100
61) 1,2-Dibromoethane	8.58	107	29934	19.952	ug/l	99
64) Tetrachloroethene	8.22	164	23366	19.257	ug/l	92
65) Chlorobenzene	9.12	112	72725	19.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	26116	21.314	ug/l	97
67) Ethyl Benzene	9.25	91	123588	19.606	ug/l	100
68) m/p-Xylenes	9.37	106	94567	38.610	ug/l	98
69) o-Xylene	9.78	106	45131	19.123	ug/l	99
70) Styrene	9.79	104	73494	18.996	ug/l	100
71) Bromoform	9.95	173	22053	20.213	ug/l #	99
73) Isopropylbenzene	10.16	105	116003	22.165	ug/l	100
74) N-amyl acetate	10.01	43	51834	22.984	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	46321	22.083	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	40493m	23.373	ug/l	
77) Bromobenzene	10.45	156	27184	19.931	ug/l	94
78) n-propylbenzene	10.58	91	140085	22.713	ug/l	99
79) 2-Chlorotoluene	10.66	91	81220	21.708	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	95749	21.908	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	16297m	24.261	ug/l	
82) 4-Chlorotoluene	10.77	91	92557	21.574	ug/l	97
83) tert-Butylbenzene	11.10	119	94448	21.926	ug/l	98
84) 1,2,4-Trimethylbenzene	11.14	105	99380	22.775	ug/l	99
85) sec-Butylbenzene	11.32	105	109971	21.109	ug/l	99
86) p-Isopropyltoluene	11.47	119	90835	20.462	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	48088	19.222	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	48885	18.931	ug/l	98
89) n-Butylbenzene	11.89	91	86045	21.716	ug/l	97
90) Hexachloroethane	12.14	117	15887	21.273	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	48774	19.357	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.65	75	9502	23.553	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	34002	21.139	ug/l	99
94) Hexachlorobutadiene	13.69	225	18528	25.184	ug/l	99
95) Naphthalene	13.74	128	107196	19.591	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	35290	21.757	ug/l	97

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

