

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025031.D
 Acq On : 28 Jun 2018 19:31
 Operator : MD/SY
 Sample : VU0628WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 4:23:36 PM

Quant Time: Jun 29 07:27:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	184595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	288706	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151846	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	144509	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	4.89	113	117309	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	7.57	98	386402	44.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.42%	
62) 4-Bromofluorobenzene	10.31	95	157760	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	39328	17.02	ug/l	99
3) Chloromethane	1.33	50	44333	18.78	ug/l	99
4) Vinyl Chloride	1.40	62	47842	19.65	ug/l	99
5) Bromomethane	1.62	94	29620	25.17	ug/l	99
6) Chloroethane	1.70	64	29879	21.36	ug/l	99
7) Trichlorofluoromethane	1.89	101	75387	20.29	ug/l	99
8) Diethyl Ether	2.10	74	28930	21.82	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43499	18.87	ug/l	98
10) Methyl Iodide	2.41	142	48768	27.65	ug/l	97
11) Tert butyl alcohol	2.82	59	72426	98.82	ug/l	99
12) 1,1-Dichloroethene	2.29	96	42123	20.04	ug/l	95
13) Acrolein	2.19	56	19935	51.80	ug/l	95
14) Allyl chloride	2.60	41	70093	17.96	ug/l	96
15) Acrylonitrile	2.93	53	151045	105.92	ug/l	98
16) Acetone	2.32	43	141795	87.57	ug/l	97
17) Carbon Disulfide	2.48	76	116270	17.28	ug/l	99
18) Methyl Acetate	2.62	43	86338	24.87	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	168709	21.35	ug/l	96
20) Methylene Chloride	2.70	84	50661	19.94	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	46816	20.22	ug/l	98
22) Diisopropyl ether	3.57	45	158761	20.52	ug/l	93
23) Vinyl Acetate	3.53	43	676035	97.55	ug/l	98
24) 1,1-Dichloroethane	3.45	63	92510	20.79	ug/l	98
25) 2-Butanone	4.26	43	220687	101.47	ug/l	96
26) 2,2-Dichloropropane	4.23	77	73349	17.36	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	55007	20.67	ug/l	98
28) Bromochloromethane	4.55	49	39728	20.27	ug/l	85
29) Tetrahydrofuran	4.64	42	139219	103.37	ug/l	96
30) Chloroform	4.68	83	95618	21.23	ug/l	98
31) Cyclohexane	5.00	56	82436	19.66	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	86881	20.86	ug/l	96
36) 1,1-Dichloropropene	5.14	75	67771	19.98	ug/l	98
37) Ethyl Acetate	4.38	43	78772	21.30	ug/l	98
38) Carbon Tetrachloride	5.14	117	76870	20.61	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	80538	19.02	ug/l	93
40) Benzene	5.39	78	200352	20.73	ug/l	98
41) Methacrylonitrile	4.54	41	44616	22.38	ug/l	98
42) 1,2-Dichloroethane	5.41	62	82567	22.43	ug/l	99
43) Isopropyl Acetate	5.55	43	127950	20.02	ug/l	98
44) Trichloroethene	6.19	130	54457	19.79	ug/l	96
45) 1,2-Dichloropropane	6.44	63	52635	20.41	ug/l	98
46) Dibromomethane	6.56	93	38015	20.98	ug/l	94
47) Bromodichloromethane	6.76	83	72135	19.99	ug/l	98
48) Methyl methacrylate	6.63	41	65996	21.21	ug/l	98
49) 1,4-Dioxane	6.62	88	26554	436.28	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	419346	104.43	ug/l	98
52) Toluene	7.64	92	127529	20.51	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	74830	18.47	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	79562	18.43	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	53247	21.06	ug/l	96
56) Ethyl methacrylate	8.02	69	82452	19.49	ug/l	98
57) 1,3-Dichloropropane	8.25	76	88939	20.85	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.13	63	36217	22.34	ug/l	97
59) 2-Hexanone	8.36	43	328362	100.16	ug/l	100
60) Dibromochloromethane	8.48	129	56622	17.96	ug/l	99
61) 1,2-Dibromoethane	8.59	107	58336	20.73	ug/l	98
64) Tetrachloroethene	8.23	164	54011	21.24	ug/l	99
65) Chlorobenzene	9.12	112	144881	21.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	54040	20.81	ug/l	98
67) Ethyl Benzene	9.25	91	249014	20.78	ug/l	98
68) m/p-Xylenes	9.38	106	191656	41.66	ug/l	98
69) o-Xylene	9.78	106	97308	21.37	ug/l	97
70) Styrene	9.80	104	150681	20.14	ug/l	98
71) Bromoform	9.96	173	44695	18.11	ug/l #	98
73) Isopropylbenzene	10.17	105	257748	22.11	ug/l	99
74) N-amyl acetate	10.01	43	110323	19.90	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	86795	22.22	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	79574m	23.80	ug/l	
77) Bromobenzene	10.45	156	65628	22.24	ug/l	94
78) n-propylbenzene	10.59	91	286192	20.84	ug/l	97
79) 2-Chlorotoluene	10.66	91	178880	22.09	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	222769	22.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	27049m	18.73	ug/l	
82) 4-Chlorotoluene	10.78	91	198554	21.06	ug/l	99
83) tert-Butylbenzene	11.10	119	221864	22.83	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	222639	21.62	ug/l	100
85) sec-Butylbenzene	11.33	105	259468	21.33	ug/l	97
86) p-Isopropyltoluene	11.48	119	233987	21.47	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	115654	21.21	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	114985	20.95	ug/l	98
89) n-Butylbenzene	11.89	91	176701	18.27	ug/l	97
90) Hexachloroethane	12.15	117	39838	18.74	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	122965	22.51	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22998	21.33	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	72527	21.50	ug/l	99
94) Hexachlorobutadiene	13.70	225	40676	21.43	ug/l	99
95) Naphthalene	13.74	128	254651	23.18	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	79138	23.55	ug/l	99

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

