

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025672.D
 Acq On : 27 Jul 2018 16:28
 Operator : MD/SY
 Sample : VU0727WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:49:16 PM

Quant Time: Jul 28 05:06:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	180047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	269817	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	259832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	160172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	142572	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	4.89	113	118046	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	7.57	98	413147	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	10.31	95	157524	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	59980	22.04	ug/l	98
3) Chloromethane	1.33	50	53263	20.48	ug/l	98
4) Vinyl Chloride	1.40	62	49738	20.32	ug/l	95
5) Bromomethane	1.63	94	25778	21.56	ug/l	98
6) Chloroethane	1.70	64	28634	20.01	ug/l	98
7) Trichlorofluoromethane	1.89	101	72874	20.59	ug/l	99
8) Diethyl Ether	2.10	74	25812	20.16	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	41682	20.35	ug/l	99
10) Methyl Iodide	2.41	142	28105	20.78	ug/l	99
11) Tert butyl alcohol	2.83	59	66970	109.04	ug/l	100
12) 1,1-Dichloroethene	2.28	96	39400	20.38	ug/l	92
13) Acrolein	2.19	56	20466	90.72	ug/l	99
14) Allyl chloride	2.59	41	67542	19.44	ug/l	99
15) Acrylonitrile	2.94	53	131485	107.22	ug/l	98
16) Acetone	2.32	43	145519	106.40	ug/l	96
17) Carbon Disulfide	2.48	76	118615	18.96	ug/l	99
18) Methyl Acetate	2.62	43	75130	22.82	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	143201	20.44	ug/l	98
20) Methylene Chloride	2.70	84	47262	19.50	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	43961	19.67	ug/l	95
22) Diisopropyl ether	3.58	45	139992	20.45	ug/l	95
23) Vinyl Acetate	3.53	43	604244	101.28	ug/l	99
24) 1,1-Dichloroethane	3.45	63	82989	20.19	ug/l	99
25) 2-Butanone	4.27	43	200440	107.66	ug/l	99
26) 2,2-Dichloropropane	4.23	77	77137	20.65	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	50143	19.90	ug/l	99
28) Bromochloromethane	4.55	49	39235	21.35	ug/l	97
29) Tetrahydrofuran	4.64	42	118933	106.62	ug/l	99
30) Chloroform	4.68	83	85737	19.77	ug/l	98
31) Cyclohexane	5.00	56	72854	19.56	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	78434	20.08	ug/l	97
36) 1,1-Dichloropropene	5.14	75	62588	19.85	ug/l	98
37) Ethyl Acetate	4.38	43	66227	20.26	ug/l	98
38) Carbon Tetrachloride	5.14	117	68512	19.18	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	71778	19.87	ug/l	96
40) Benzene	5.39	78	181192	19.66	ug/l	98
41) Methacrylonitrile	4.54	41	38212	21.04	ug/l	99
42) 1,2-Dichloroethane	5.41	62	69686	19.63	ug/l	100
43) Isopropyl Acetate	5.55	43	109443	20.26	ug/l	99
44) Trichloroethene	6.19	130	50930	19.84	ug/l	99
45) 1,2-Dichloropropane	6.44	63	47189	19.63	ug/l	97
46) Dibromomethane	6.56	93	34604	19.87	ug/l	98
47) Bromodichloromethane	6.76	83	63855	19.22	ug/l	94
48) Methyl methacrylate	6.63	41	55212	20.85	ug/l	97
49) 1,4-Dioxane	6.62	88	27922	433.30	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	352689	104.27	ug/l	100
52) Toluene	7.64	92	115927	20.25	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	74274	19.91	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	76393	19.94	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	47260	19.86	ug/l	97
56) Ethyl methacrylate	8.02	69	70184	20.64	ug/l	98
57) 1,3-Dichloropropane	8.25	76	79600	19.89	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	148370	100.71	ug/l	98
59) 2-Hexanone	8.36	43	282579	106.57	ug/l	99
60) Dibromochloromethane	8.48	129	53452	19.05	ug/l	100
61) 1,2-Dibromoethane	8.59	107	52713	19.92	ug/l	99
64) Tetrachloroethene	8.23	164	44833	19.60	ug/l	98
65) Chlorobenzene	9.12	112	132567	19.79	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	47963	19.79	ug/l	97
67) Ethyl Benzene	9.25	91	219058	19.74	ug/l	99
68) m/p-Xylenes	9.38	106	172392	40.47	ug/l	100
69) o-Xylene	9.78	106	84379	20.27	ug/l	100
70) Styrene	9.80	104	134422	19.99	ug/l	99
71) Bromoform	9.96	173	40310	19.18	ug/l #	100
73) Isopropylbenzene	10.17	105	224423	20.53	ug/l	99
74) N-amyl acetate	10.01	43	94391	21.15	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	76146	20.14	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	67907m	19.24	ug/l	
77) Bromobenzene	10.45	156	61223	20.30	ug/l	99
78) n-propylbenzene	10.59	91	265576	20.81	ug/l	99
79) 2-Chlorotoluene	10.66	91	155539	20.81	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	194176	20.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	53914m	38.31	ug/l	
82) 4-Chlorotoluene	10.78	91	186458	21.17	ug/l	99
83) tert-Butylbenzene	11.10	119	188494	20.43	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	198457	21.09	ug/l	98
85) sec-Butylbenzene	11.33	105	233845	20.76	ug/l	100
86) p-Isopropyltoluene	11.48	119	211618	20.98	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	112782	20.15	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	115184	19.74	ug/l	99
89) n-Butylbenzene	11.89	91	190847	20.51	ug/l	99
90) Hexachloroethane	12.15	117	34200	19.07	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	112484	20.50	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19402	21.65	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	82698	22.33	ug/l	99
94) Hexachlorobutadiene	13.70	225	38568	19.76	ug/l	99
95) Naphthalene	13.75	128	287655	24.83	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	81616	22.10	ug/l	99

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

