

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024712.D
 Acq On : 19 Jun 2018 00:18
 Operator : MD/SY
 Sample : VU0618WBS03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS03

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:08 PM

Quant Time: Jun 19 07:49:49 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	155936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	248743	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	232712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	129560	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	122602	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	4.89	113	104587	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	7.57	98	376483	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	10.31	95	139704	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	31894	16.34	ug/l	98
3) Chloromethane	1.33	50	38935	19.53	ug/l	99
4) Vinyl Chloride	1.40	62	41316	20.09	ug/l	97
5) Bromomethane	1.62	94	25002	25.15	ug/l	97
6) Chloroethane	1.70	64	26314	22.32	ug/l	100
7) Trichlorofluoromethane	1.89	101	64288	20.48	ug/l	99
8) Diethyl Ether	2.10	74	25224	22.59	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	35853	18.41	ug/l	97
10) Methyl Iodide	2.41	142	34395	23.95	ug/l	97
11) Tert butyl alcohol	2.82	59	61290	98.99	ug/l	100
12) 1,1-Dichloroethene	2.29	96	33822	19.05	ug/l	89
13) Acrolein	2.19	56	17545	53.96	ug/l	94
14) Allyl chloride	2.60	41	56694	17.20	ug/l	94
15) Acrylonitrile	2.94	53	133579	110.89	ug/l	99
16) Acetone	2.32	43	114196	83.49	ug/l	99
17) Carbon Disulfide	2.48	76	96407	16.96	ug/l	100
18) Methyl Acetate	2.62	43	70160	23.93	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	135372	20.28	ug/l	97
20) Methylene Chloride	2.71	84	43532	20.28	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	37999	19.43	ug/l	94
22) Diisopropyl ether	3.57	45	138263	21.16	ug/l	97
23) Vinyl Acetate	3.53	43	588034	100.45	ug/l	99
24) 1,1-Dichloroethane	3.45	63	75834	20.17	ug/l	98
25) 2-Butanone	4.26	43	190492	103.68	ug/l	95
26) 2,2-Dichloropropane	4.23	77	50549	14.16	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	46881	20.85	ug/l	91
28) Bromochloromethane	4.55	49	35633	21.52	ug/l	89
29) Tetrahydrofuran	4.63	42	124489	109.42	ug/l	98
30) Chloroform	4.68	83	77251	20.30	ug/l	98
31) Cyclohexane	5.00	56	68181	19.21	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	67950	19.31	ug/l	96
36) 1,1-Dichloropropene	5.14	75	53152	18.18	ug/l	96
37) Ethyl Acetate	4.38	43	71892	22.57	ug/l	97
38) Carbon Tetrachloride	5.14	117	60990	18.97	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	65779	18.03	ug/l	95
40) Benzene	5.39	78	166400	19.98	ug/l	100
41) Methacrylonitrile	4.54	41	38277	22.28	ug/l	98
42) 1,2-Dichloroethane	5.41	62	60256	19.00	ug/l	99
43) Isopropyl Acetate	5.55	43	112648	20.46	ug/l	98
44) Trichloroethene	6.19	130	46658	19.68	ug/l	92
45) 1,2-Dichloropropane	6.44	63	47152	21.22	ug/l	96
46) Dibromomethane	6.56	93	32884	21.07	ug/l	97
47) Bromodichloromethane	6.76	83	60285	19.39	ug/l	99
48) Methyl methacrylate	6.63	41	56213	20.96	ug/l	99
49) 1,4-Dioxane	6.61	88	24463	466.50	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	375322	108.49	ug/l	98
52) Toluene	7.64	92	104319	19.47	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	64681	18.53	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	67678	18.20	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	45342	20.82	ug/l	98
56) Ethyl methacrylate	8.02	69	74926	20.55	ug/l	100
57) 1,3-Dichloropropane	8.25	76	75888	20.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	157779	112.97	ug/l	97
59) 2-Hexanone	8.36	43	295352	104.57	ug/l	100
60) Dibromochloromethane	8.48	129	50681	18.66	ug/l	98
61) 1,2-Dibromoethane	8.59	107	48724	20.10	ug/l	99
64) Tetrachloroethene	8.23	164	41476	18.75	ug/l	97
65) Chlorobenzene	9.12	112	118381	19.91	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	46203	20.46	ug/l	99
67) Ethyl Benzene	9.25	91	204608	19.63	ug/l	100
68) m/p-Xylenes	9.38	106	158113	39.51	ug/l	95
69) o-Xylene	9.78	106	79601	20.10	ug/l	95
70) Styrene	9.80	104	128442	19.73	ug/l	99
71) Bromoform	9.96	173	41333	19.25	ug/l #	97
73) Isopropylbenzene	10.17	105	208714	20.98	ug/l	99
74) N-amyl acetate	10.01	43	104490	22.08	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	76989	23.10	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	66597m	23.35	ug/l	
77) Bromobenzene	10.46	156	53612	21.29	ug/l	94
78) n-propylbenzene	10.59	91	232173	19.81	ug/l	97
79) 2-Chlorotoluene	10.66	91	140456	20.33	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	176429	20.46	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	23146m	18.78	ug/l	
82) 4-Chlorotoluene	10.78	91	161474	20.08	ug/l	98
83) tert-Butylbenzene	11.10	119	175475	21.16	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	182589	20.78	ug/l	100
85) sec-Butylbenzene	11.33	105	212218	20.44	ug/l	98
86) p-Isopropyltoluene	11.48	119	185796	19.98	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	95965	20.63	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	96430	20.59	ug/l	99
89) n-Butylbenzene	11.89	91	151595	18.37	ug/l	98
90) Hexachloroethane	12.15	117	34493	19.02	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	98974	21.24	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19203	20.88	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	63680	22.13	ug/l	99
94) Hexachlorobutadiene	13.70	225	31814	19.64	ug/l	99
95) Naphthalene	13.75	128	229166	24.41	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	68696	23.96	ug/l	99

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

