

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU027015.D
 Acq On : 22 Sep 2018 15:01
 Operator : MD/SY
 Sample : VU0922WBS03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS03

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:22 PM

Quant Time: Sep 24 04:48:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	89410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	149134	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	145852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	77516	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	84704	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
35) Dibromofluoromethane	4.88	113	59754	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	
50) Toluene-d8	7.57	98	228149	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
62) 4-Bromofluorobenzene	10.31	95	81422	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	20311	17.399	ug/l	98
3) Chloromethane	1.33	50	34861	17.321	ug/l	98
4) Vinyl Chloride	1.40	62	33314	17.732	ug/l	98
5) Bromomethane	1.62	94	19054	17.810	ug/l	98
6) Chloroethane	1.69	64	21925	18.265	ug/l	100
7) Trichlorofluoromethane	1.88	101	38266	17.933	ug/l	99
8) Diethyl Ether	2.10	74	18690	18.198	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	23129	17.629	ug/l	99
10) Methyl Iodide	2.41	142	24088	14.803	ug/l	99
11) Tert butyl alcohol	2.83	59	38875	94.251	ug/l	99
12) 1,1-Dichloroethene	2.28	96	22150	17.937	ug/l	95
13) Acrolein	2.19	56	19863	89.334	ug/l	100
14) Allyl chloride	2.59	41	48301	19.285	ug/l	96
15) Acrylonitrile	2.94	53	97224	93.524	ug/l	98
16) Acetone	2.32	43	104318	99.119	ug/l	99
17) Carbon Disulfide	2.48	76	68376	16.997	ug/l	99
18) Methyl Acetate	2.61	43	49356	19.270	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	86751	19.117	ug/l	99
20) Methylene Chloride	2.70	84	28291	17.554	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	23666	17.950	ug/l	98
22) Diisopropyl ether	3.57	45	107327	20.034	ug/l	99
23) Vinyl Acetate	3.52	43	446351	97.743	ug/l	99
24) 1,1-Dichloroethane	3.45	63	55856	18.931	ug/l	100
25) 2-Butanone	4.26	43	143798	95.086	ug/l	99
26) 2,2-Dichloropropane	4.23	77	43721	19.000	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	27915	18.748	ug/l	98
28) Bromochloromethane	4.55	49	29548	20.775	ug/l	95
29) Tetrahydrofuran	4.64	42	89065	97.356	ug/l	97
30) Chloroform	4.68	83	50204	18.331	ug/l	98
31) Cyclohexane	5.00	56	50615	18.509	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	41221	18.851	ug/l	98
36) 1,1-Dichloropropene	5.14	75	37703	18.943	ug/l	98
37) Ethyl Acetate	4.38	43	48783	18.105	ug/l	98
38) Carbon Tetrachloride	5.14	117	34569	18.251	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	41796	19.323	ug/l	98
40) Benzene	5.39	78	111132	18.367	ug/l	99
41) Methacrylonitrile	4.54	41	28174	20.134	ug/l	98
42) 1,2-Dichloroethane	5.41	62	43303	18.942	ug/l	99
43) Isopropyl Acetate	5.55	43	77052	19.609	ug/l	98
44) Trichloroethene	6.19	130	23406	18.171	ug/l	95
45) 1,2-Dichloropropane	6.43	63	32679	18.955	ug/l	97
46) Dibromomethane	6.56	93	18605	17.868	ug/l	99
47) Bromodichloromethane	6.76	83	37798	17.953	ug/l	98
48) Methyl methacrylate	6.62	41	37550	18.214	ug/l	99
49) 1,4-Dioxane	6.61	88	16323	383.234	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	258324	97.746	ug/l	99
52) Toluene	7.64	92	64777	18.677	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	43404	19.187	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	46511	18.700	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	27464	18.688	ug/l	98
56) Ethyl methacrylate	8.02	69	42312	18.059	ug/l	99
57) 1,3-Dichloropropane	8.24	76	52113	19.066	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	128247	91.761	ug/l	99
59) 2-Hexanone	8.36	43	197455	95.447	ug/l	100
60) Dibromochloromethane	8.48	129	26531	18.405	ug/l	100
61) 1,2-Dibromoethane	8.59	107	27489	17.978	ug/l	98
64) Tetrachloroethene	8.23	164	20056	17.845	ug/l	93
65) Chlorobenzene	9.12	112	68842	17.801	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	23861	17.913	ug/l	99
67) Ethyl Benzene	9.25	91	118554	18.643	ug/l	99
68) m/p-Xylenes	9.38	106	89125	35.587	ug/l	99
69) o-Xylene	9.78	106	43042	19.103	ug/l	99
70) Styrene	9.79	104	69737	17.786	ug/l	99
71) Bromoform	9.96	173	18547	18.006	ug/l #	99
73) Isopropylbenzene	10.17	105	114724	19.456	ug/l	99
74) N-amyl acetate	10.02	43	64187	18.806	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	47559	17.542	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	42437m	18.021	ug/l	
77) Bromobenzene	10.45	156	25964	18.019	ug/l	95
78) n-propylbenzene	10.59	91	136531	19.569	ug/l	98
79) 2-Chlorotoluene	10.66	91	84010	19.170	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	96400	19.805	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	15933m	21.652	ug/l	
82) 4-Chlorotoluene	10.77	91	94152	19.160	ug/l	99
83) tert-Butylbenzene	11.10	119	91029	18.916	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	98393	19.863	ug/l	99
85) sec-Butylbenzene	11.32	105	114173	19.436	ug/l	100
86) p-Isopropyltoluene	11.48	119	96247	18.065	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	47669	17.778	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	48213	16.498	ug/l	98
89) n-Butylbenzene	11.89	91	84720	17.489	ug/l	98
90) Hexachloroethane	12.15	117	18728	17.532	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	48929	17.178	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	9789	17.699	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	27843	16.963	ug/l	98
94) Hexachlorobutadiene	13.69	225	15298	17.615	ug/l	98
95) Naphthalene	13.75	128	99124	16.613	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	31826	18.081	ug/l	99

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

