

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026995.D
 Acq On : 22 Sep 2018 04:35
 Operator : MD/SY
 Sample : VU0922WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:17 PM

Quant Time: Sep 22 04:57:38 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	4.99	168	82320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	143642	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	141774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73661	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	89043	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	4.88	113	62104	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	7.57	98	244005	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	10.31	95	84096	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	20610	19.176	ug/l	99
3) Chloromethane	1.33	50	33948	18.320	ug/l	98
4) Vinyl Chloride	1.40	62	33667	19.464	ug/l	99
5) Bromomethane	1.62	94	18289	18.567	ug/l	99
6) Chloroethane	1.70	64	22324	20.199	ug/l	98
7) Trichlorofluoromethane	1.88	101	38611	19.654	ug/l	98
8) Diethyl Ether	2.11	74	18758	19.837	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22899	18.957	ug/l	99
10) Methyl Iodide	2.41	142	22516	15.029	ug/l	99
11) Tert butyl alcohol	2.83	59	38044	100.180	ug/l	98
12) 1,1-Dichloroethene	2.28	96	22024	19.371	ug/l	100
13) Acrolein	2.20	56	20854	101.869	ug/l	99
14) Allyl chloride	2.59	41	45645	19.794	ug/l	98
15) Acrylonitrile	2.94	53	96257	100.568	ug/l	99
16) Acetone	2.32	43	88772	90.267	ug/l	100
17) Carbon Disulfide	2.48	76	70315	18.984	ug/l	99
18) Methyl Acetate	2.62	43	48080	20.388	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	84774	20.290	ug/l	98
20) Methylene Chloride	2.70	84	28760	19.382	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	24806	20.435	ug/l	99
22) Diisopropyl ether	3.58	45	105600	21.410	ug/l	99
23) Vinyl Acetate	3.53	43	436181	103.742	ug/l	100
24) 1,1-Dichloroethane	3.45	63	54982	20.239	ug/l	99
25) 2-Butanone	4.26	43	135944	97.635	ug/l	99
26) 2,2-Dichloropropane	4.23	77	32223	15.210	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	27175	19.823	ug/l	98
28) Bromochloromethane	4.55	49	29176	22.280	ug/l	97
29) Tetrahydrofuran	4.64	42	87378	103.738	ug/l	97
30) Chloroform	4.68	83	49484	19.624	ug/l	99
31) Cyclohexane	5.00	56	50814	20.235	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	40789	20.260	ug/l	98
36) 1,1-Dichloropropene	5.14	75	36822	19.207	ug/l	97
37) Ethyl Acetate	4.39	43	48402	18.651	ug/l	99
38) Carbon Tetrachloride	5.13	117	34720	19.032	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	40219	19.305	ug/l	99
40) Benzene	5.39	78	113351	19.450	ug/l	100
41) Methacrylonitrile	4.54	41	27453	20.369	ug/l	97
42) 1,2-Dichloroethane	5.41	62	43392	19.707	ug/l	100
43) Isopropyl Acetate	5.55	43	75887	20.051	ug/l	99
44) Trichloroethene	6.19	130	23743	19.137	ug/l	98
45) 1,2-Dichloropropane	6.43	63	33043	19.899	ug/l	97
46) Dibromomethane	6.56	93	19235	19.180	ug/l	98
47) Bromodichloromethane	6.76	83	38169	18.822	ug/l	98
48) Methyl methacrylate	6.62	41	37272	18.739	ug/l	99
49) 1,4-Dioxane	6.62	88	14908	363.306	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	258704	101.632	ug/l	99
52) Toluene	7.64	92	65217	19.523	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	41554	19.072	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	45467	18.979	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	27057	19.115	ug/l	95
56) Ethyl methacrylate	8.02	69	42494	18.737	ug/l	99
57) 1,3-Dichloropropane	8.24	76	51880	19.706	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	126795	94.062	ug/l	100
59) 2-Hexanone	8.36	43	194315	97.520	ug/l	99
60) Dibromochloromethane	8.48	129	26158	18.840	ug/l	99
61) 1,2-Dibromoethane	8.59	107	28714	19.497	ug/l	97
64) Tetrachloroethene	8.23	164	20783	19.024	ug/l	98
65) Chlorobenzene	9.12	112	69369	18.453	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	24372	18.823	ug/l	98
67) Ethyl Benzene	9.25	91	118504	19.171	ug/l	99
68) m/p-Xylenes	9.38	106	90749	37.207	ug/l	99
69) o-Xylene	9.78	106	42561	19.433	ug/l	98
70) Styrene	9.79	104	70124	18.337	ug/l	99
71) Bromoform	9.96	173	18849	18.825	ug/l #	99
73) Isopropylbenzene	10.17	105	116261	20.749	ug/l	99
74) N-amyl acetate	10.02	43	64178	19.787	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	47348	18.379	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	39907m	17.833	ug/l	
77) Bromobenzene	10.45	156	26784	19.561	ug/l	96
78) n-propylbenzene	10.59	91	137825	20.788	ug/l	98
79) 2-Chlorotoluene	10.66	91	85241	20.469	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	97125	20.998	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	12185m	17.425	ug/l	
82) 4-Chlorotoluene	10.77	91	96100	20.580	ug/l	100
83) tert-Butylbenzene	11.10	119	91254	19.955	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	98160	20.853	ug/l	99
85) sec-Butylbenzene	11.32	105	113754	20.378	ug/l	100
86) p-Isopropyltoluene	11.48	119	96216	18.956	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	49016	19.237	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	49833	17.944	ug/l	97
89) n-Butylbenzene	11.89	91	85135	18.357	ug/l	98
90) Hexachloroethane	12.15	117	18400	18.126	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	49778	18.391	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10151	19.314	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	29868	19.149	ug/l	99
94) Hexachlorobutadiene	13.69	225	15064	18.253	ug/l	98
95) Naphthalene	13.74	128	103952	18.159	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	32834	19.630	ug/l	99

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

