

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025362.D
 Acq On : 13 Jul 2018 01:13
 Operator : MD/SY
 Sample : VU0712WBSD03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD03

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:44:21 AM

Quant Time: Jul 13 04:55:00 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	164974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	251617	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	232012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	131390	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	123044	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
35) Dibromofluoromethane	4.89	113	101499	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
50) Toluene-d8	7.57	98	326235	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	
62) 4-Bromofluorobenzene	10.31	95	131147	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	31431	18.410	ug/l	100
3) Chloromethane	1.33	50	32205	19.282	ug/l	100
4) Vinyl Chloride	1.40	62	34429	18.351	ug/l	97
5) Bromomethane	1.62	94	22606	20.444	ug/l	96
6) Chloroethane	1.70	64	23866	20.177	ug/l	96
7) Trichlorofluoromethane	1.89	101	58204	19.740	ug/l	99
8) Diethyl Ether	2.10	74	22541	20.372	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	36602	20.031	ug/l	99
10) Methyl Iodide	2.41	142	40339	24.389	ug/l	99
11) Tert butyl alcohol	2.82	59	62311	111.441	ug/l	99
12) 1,1-Dichloroethene	2.28	96	31646	18.924	ug/l	97
13) Acrolein	2.19	56	17503	47.318	ug/l	96
14) Allyl chloride	2.59	41	52945	17.458	ug/l	97
15) Acrylonitrile	2.94	53	120962	105.225	ug/l	99
16) Acetone	2.32	43	115959	91.802	ug/l	99
17) Carbon Disulfide	2.48	76	77964	17.268	ug/l	99
18) Methyl Acetate	2.62	43	61320	23.367	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	134114	21.084	ug/l	99
20) Methylene Chloride	2.70	84	41648	21.405	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	35625	18.642	ug/l	98
22) Diisopropyl ether	3.57	45	130882	21.132	ug/l	99
23) Vinyl Acetate	3.53	43	553037	101.787	ug/l	100
24) 1,1-Dichloroethane	3.45	63	73672	21.091	ug/l	99
25) 2-Butanone	4.26	43	173948	97.915	ug/l	98
26) 2,2-Dichloropropane	4.23	77	51368	15.295	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	43611	19.723	ug/l	100
28) Bromochloromethane	4.55	49	35999	21.343	ug/l	99
29) Tetrahydrofuran	4.64	42	109983	103.214	ug/l	98
30) Chloroform	4.68	83	79523	21.498	ug/l	98
31) Cyclohexane	5.00	56	61623	19.496	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	69250	20.657	ug/l	99
36) 1,1-Dichloropropene	5.14	75	53243	19.034	ug/l	99
37) Ethyl Acetate	4.38	43	62769	20.121	ug/l	98
38) Carbon Tetrachloride	5.14	117	59442	19.743	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	60871	17.446	ug/l	96
40) Benzene	5.39	78	157145	19.494	ug/l	99
41) Methacrylonitrile	4.55	41	36544	21.128	ug/l	98
42) 1,2-Dichloroethane	5.41	62	66437	20.733	ug/l	100
43) Isopropyl Acetate	5.55	43	104155	20.849	ug/l	100
44) Trichloroethene	6.19	130	43210	18.668	ug/l	100
45) 1,2-Dichloropropane	6.44	63	43616	20.657	ug/l	98
46) Dibromomethane	6.56	93	31479	20.487	ug/l	96
47) Bromodichloromethane	6.76	83	58284	20.419	ug/l	97
48) Methyl methacrylate	6.63	41	51542	20.695	ug/l	99
49) 1,4-Dioxane	6.62	88	25152	419.709	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	332780	102.487	ug/l	100
52) Toluene	7.64	92	100091	19.516	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	58468	18.643	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	62845	18.828	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	43622	20.423	ug/l	97
56) Ethyl methacrylate	8.02	69	66619	19.969	ug/l	98
57) 1,3-Dichloropropane	8.25	76	73239	20.655	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	123758	83.233	ug/l	99
59) 2-Hexanone	8.36	43	259960	98.703	ug/l	100
60) Dibromochloromethane	8.48	129	44917	19.472	ug/l	98
61) 1,2-Dibromoethane	8.59	107	46077	20.161	ug/l	99
64) Tetrachloroethene	8.23	164	42287	19.995	ug/l	98
65) Chlorobenzene	9.12	112	115156	19.869	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	43652	21.055	ug/l	100
67) Ethyl Benzene	9.25	91	196246	19.861	ug/l	98
68) m/p-Xylenes	9.38	106	153055	40.065	ug/l	99
69) o-Xylene	9.78	106	76851	20.094	ug/l	97
70) Styrene	9.80	104	122512	20.166	ug/l	99
71) Bromoform	9.96	173	34362	20.163	ug/l #	99
73) Isopropylbenzene	10.17	105	206867	20.606	ug/l	99
74) N-amyl acetate	10.01	43	86203	21.715	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	69481	21.155	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	63676m	23.947	ug/l	
77) Bromobenzene	10.45	156	52774	20.548	ug/l	98
78) n-propylbenzene	10.59	91	224188	20.125	ug/l	100
79) 2-Chlorotoluene	10.66	91	139421	21.879	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	174069	20.607	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	17960m	17.158	ug/l	
82) 4-Chlorotoluene	10.78	91	156650	19.859	ug/l	99
83) tert-Butylbenzene	11.10	119	174284	20.417	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	175245	20.242	ug/l	99
85) sec-Butylbenzene	11.33	105	205347	20.431	ug/l	99
86) p-Isopropyltoluene	11.48	119	178111	20.014	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	92170	19.637	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	92990	21.167	ug/l	99
89) n-Butylbenzene	11.89	91	135832	18.567	ug/l	98
90) Hexachloroethane	12.15	117	29387	19.501	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	96377	20.332	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16090	20.199	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	54581	19.349	ug/l	98
94) Hexachlorobutadiene	13.70	225	31734	18.718	ug/l	98
95) Naphthalene	13.74	128	185214	20.686	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	59895	20.174	ug/l	99

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

