

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061318\
 Data File : VU024519.D
 Acq On : 13 Jun 2018 19:41
 Operator : MD/SY
 Sample : VU0613WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:45:02 AM

Quant Time: Jun 14 02:51:30 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	186907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	302076	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	284742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166169	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	147749	48.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.84%	
35) Dibromofluoromethane	4.89	113	123483	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
50) Toluene-d8	7.57	98	450646	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	10.31	95	174745	48.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	43622	18.646	ug/l	100
3) Chloromethane	1.33	50	49266	20.612	ug/l	100
4) Vinyl Chloride	1.41	62	49093	19.917	ug/l	94
5) Bromomethane	1.63	94	25789	21.643	ug/l	99
6) Chloroethane	1.70	64	31039	21.944	ug/l	99
7) Trichlorofluoromethane	1.89	101	73274	19.479	ug/l	98
8) Diethyl Ether	2.11	74	27182	20.108	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43627	18.694	ug/l	97
10) Methyl Iodide	2.41	142	34087	20.722	ug/l	100
11) Tert butyl alcohol	2.82	59	66818	90.039	ug/l	99
12) 1,1-Dichloroethene	2.29	96	41330	19.420	ug/l	92
13) Acrolein	2.20	56	36695	94.163	ug/l	95
14) Allyl chloride	2.60	41	71744	18.156	ug/l	93
15) Acrylonitrile	2.94	53	147870	102.414	ug/l	98
16) Acetone	2.32	43	130336	79.499	ug/l	98
17) Carbon Disulfide	2.48	76	131754	19.334	ug/l	100
18) Methyl Acetate	2.62	43	68293	19.431	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	151691	18.962	ug/l	99
20) Methylene Chloride	2.71	84	49343	19.182	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	45845	19.558	ug/l	95
22) Diisopropyl ether	3.57	45	152024	19.407	ug/l	# 88
23) Vinyl Acetate	3.53	43	706008	100.614	ug/l	98
24) 1,1-Dichloroethane	3.45	63	87068	19.322	ug/l	97
25) 2-Butanone	4.27	43	212501	96.496	ug/l	97
26) 2,2-Dichloropropane	4.24	77	73844	17.258	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	53864	19.988	ug/l	95
28) Bromochloromethane	4.55	49	44134	22.235	ug/l	89
29) Tetrahydrofuran	4.64	42	137459	100.796	ug/l	98
30) Chloroform	4.68	83	87846	19.260	ug/l	98
31) Cyclohexane	5.00	56	81768	19.218	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	81149	19.240	ug/l	96
36) 1,1-Dichloropropene	5.14	75	64516	18.175	ug/l	96
37) Ethyl Acetate	4.38	43	79809	20.629	ug/l	98
38) Carbon Tetrachloride	5.14	117	72523	18.579	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	79577	17.965	ug/l	96
40) Benzene	5.40	78	192621	19.044	ug/l	100
41) Methacrylonitrile	4.55	41	42531	20.389	ug/l	97
42) 1,2-Dichloroethane	5.41	62	70564	18.318	ug/l	100
43) Isopropyl Acetate	5.55	43	130264	19.479	ug/l	99
44) Trichloroethene	6.19	130	53482	18.579	ug/l	96
45) 1,2-Dichloropropane	6.44	63	54397	20.156	ug/l	99
46) Dibromomethane	6.56	93	36716	19.368	ug/l	96
47) Bromodichloromethane	6.76	83	71954	19.062	ug/l	99
48) Methyl methacrylate	6.63	41	62385	19.158	ug/l	99
49) 1,4-Dioxane	6.62	88	22217	348.869	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	416263	99.077	ug/l	98
52) Toluene	7.64	92	124083	19.068	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	78151	18.436	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	83702	18.530	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	48767	18.436	ug/l	99
56) Ethyl methacrylate	8.02	69	84519	19.091	ug/l	100
57) 1,3-Dichloropropane	8.25	76	85614	19.187	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	170522	100.537	ug/l	97
59) 2-Hexanone	8.36	43	329255	95.991	ug/l	100
60) Dibromochloromethane	8.48	129	60190	18.248	ug/l	98
61) 1,2-Dibromoethane	8.59	107	54921	18.654	ug/l	100
64) Tetrachloroethene	8.23	164	45961	16.981	ug/l	98
65) Chlorobenzene	9.12	112	138178	18.996	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	52472	18.987	ug/l	99
67) Ethyl Benzene	9.25	91	243975	19.132	ug/l	98
68) m/p-Xylenes	9.38	106	185283	37.838	ug/l	99
69) o-Xylene	9.78	106	91451	18.871	ug/l	97
70) Styrene	9.80	104	151701	19.049	ug/l	99
71) Bromoform	9.96	173	50450	19.206	ug/l #	99
73) Isopropylbenzene	10.17	105	243615	19.095	ug/l	99
74) N-amyl acetate	10.01	43	118284	19.492	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	85519	20.004	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	75775m	20.712	ug/l	
77) Bromobenzene	10.46	156	61555	19.058	ug/l	97
78) n-propylbenzene	10.59	91	290325	19.318	ug/l	97
79) 2-Chlorotoluene	10.66	91	168970	19.066	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	208861	18.888	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	31114m	19.683	ug/l	
82) 4-Chlorotoluene	10.78	91	197099	19.108	ug/l	98
83) tert-Butylbenzene	11.10	119	207677	19.525	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	214797	19.061	ug/l	100
85) sec-Butylbenzene	11.33	105	255162	19.164	ug/l	98
86) p-Isopropyltoluene	11.48	119	224955	18.865	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	111585	18.700	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	113910	18.966	ug/l	98
89) n-Butylbenzene	11.89	91	204752	19.340	ug/l	98
90) Hexachloroethane	12.15	117	44986	19.339	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	112857	18.883	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	23138	19.614	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	73791	19.993	ug/l	99
94) Hexachlorobutadiene	13.70	225	38773	18.664	ug/l	98
95) Naphthalene	13.75	128	230711	19.305	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	76324	20.753	ug/l	99

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

