

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061318\
 Data File : VU024511.D
 Acq On : 13 Jun 2018 16:36
 Operator : MD/SY
 Sample : VU0613WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0613WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:57 AM

Quant Time: Jun 13 17:22:04 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	192743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	303840	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	284633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166199	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	149070	47.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.76%	
35) Dibromofluoromethane	4.89	113	123847	49.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.22%	
50) Toluene-d8	7.57	98	445711	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	10.31	95	175049	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	44778	18.561	ug/l	99
3) Chloromethane	1.33	50	47329	19.202	ug/l	98
4) Vinyl Chloride	1.41	62	48149	18.942	ug/l	98
5) Bromomethane	1.63	94	25400	20.671	ug/l	96
6) Chloroethane	1.70	64	27721	18.860	ug/l	98
7) Trichlorofluoromethane	1.89	101	72435	18.673	ug/l	98
8) Diethyl Ether	2.10	74	27018	19.311	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	44294	18.405	ug/l	100
10) Methyl Iodide	2.41	142	25964	16.688	ug/l	98
11) Tert butyl alcohol	2.82	59	65425	85.492	ug/l	98
12) 1,1-Dichloroethene	2.29	96	41089	18.722	ug/l	91
13) Acrolein	2.20	56	35960	89.483	ug/l	96
14) Allyl chloride	2.60	41	74101	18.185	ug/l	94
15) Acrylonitrile	2.94	53	145712	97.864	ug/l	99
16) Acetone	2.32	43	150052	88.754	ug/l	98
17) Carbon Disulfide	2.48	76	132107	18.799	ug/l	100
18) Methyl Acetate	2.62	43	67927	18.742	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	156899	19.019	ug/l	97
20) Methylene Chloride	2.71	84	49483	18.653	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	44657	18.475	ug/l	98
22) Diisopropyl ether	3.58	45	152589	18.890	ug/l	94
23) Vinyl Acetate	3.53	43	706157	97.588	ug/l	99
24) 1,1-Dichloroethane	3.45	63	88760	19.101	ug/l	98
25) 2-Butanone	4.27	43	218654	96.284	ug/l	96
26) 2,2-Dichloropropane	4.23	77	80313	18.201	ug/l	98
27) cis-1,2-Dichloroethene	4.24	96	53826	19.369	ug/l	98
28) Bromochloromethane	4.55	49	39542	19.319	ug/l	88
29) Tetrahydrofuran	4.64	42	134744	95.814	ug/l	97
30) Chloroform	4.68	83	89405	19.008	ug/l	95
31) Cyclohexane	5.00	56	83098	18.909	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	79848	18.358	ug/l	96
36) 1,1-Dichloropropene	5.14	75	64832	18.158	ug/l	97
37) Ethyl Acetate	4.38	43	79420	20.409	ug/l #	95
38) Carbon Tetrachloride	5.14	117	75284	19.175	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	81541	18.301	ug/l	97
40) Benzene	5.40	78	190943	18.769	ug/l	99
41) Methacrylonitrile	4.55	41	43023	20.506	ug/l	99
42) 1,2-Dichloroethane	5.41	62	73047	18.852	ug/l	98
43) Isopropyl Acetate	5.55	43	127333	18.930	ug/l	98
44) Trichloroethene	6.19	130	53646	18.528	ug/l	95
45) 1,2-Dichloropropane	6.44	63	53643	19.761	ug/l	97
46) Dibromomethane	6.56	93	37083	19.449	ug/l	97
47) Bromodichloromethane	6.76	83	72348	19.055	ug/l	99
48) Methyl methacrylate	6.63	41	63474	19.379	ug/l	99
49) 1,4-Dioxane	6.62	88	21825	340.724	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	410511	97.141	ug/l	98
52) Toluene	7.64	92	121988	18.638	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	80159	18.800	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	84167	18.525	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	48329	18.165	ug/l	98
56) Ethyl methacrylate	8.02	69	86601	19.447	ug/l	100
57) 1,3-Dichloropropane	8.25	76	86634	19.303	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	170142	99.730	ug/l	97
59) 2-Hexanone	8.36	43	326608	94.667	ug/l	99
60) Dibromochloromethane	8.48	129	59925	18.062	ug/l	99
61) 1,2-Dibromoethane	8.59	107	57120	19.289	ug/l	96
64) Tetrachloroethene	8.23	164	44818	16.565	ug/l	94
65) Chlorobenzene	9.12	112	140175	19.278	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	51708	18.718	ug/l	98
67) Ethyl Benzene	9.25	91	243044	19.066	ug/l	100
68) m/p-Xylenes	9.38	106	186040	38.007	ug/l	97
69) o-Xylene	9.78	106	91585	18.906	ug/l	97
70) Styrene	9.80	104	151024	18.971	ug/l	98
71) Bromoform	9.96	173	48755	18.568	ug/l #	97
73) Isopropylbenzene	10.17	105	246271	19.300	ug/l	99
74) N-amyl acetate	10.01	43	116237	19.152	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	83214	19.461	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	78544m	21.465	ug/l	
77) Bromobenzene	10.46	156	61298	18.975	ug/l	97
78) n-propylbenzene	10.59	91	288508	19.194	ug/l	97
79) 2-Chlorotoluene	10.66	91	166336	18.765	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	206979	18.715	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	31178m	19.720	ug/l	
82) 4-Chlorotoluene	10.78	91	196319	19.029	ug/l	100
83) tert-Butylbenzene	11.10	119	207998	19.551	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	212920	18.891	ug/l	100
85) sec-Butylbenzene	11.33	105	253257	19.018	ug/l	98
86) p-Isopropyltoluene	11.48	119	221462	18.569	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	111280	18.646	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	113983	18.975	ug/l	99
89) n-Butylbenzene	11.89	91	202351	19.110	ug/l	97
90) Hexachloroethane	12.15	117	43298	18.610	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	112744	18.860	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22532	19.097	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	75456	20.441	ug/l	99
94) Hexachlorobutadiene	13.70	225	39724	19.119	ug/l	99
95) Naphthalene	13.75	128	228143	19.094	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	76926	20.913	ug/l	100

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

