

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025196.D
 Acq On : 03 Jul 2018 18:01
 Operator : MD/SY
 Sample : VU0703WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Manual Integrations
 APPROVED

sam
 7/5/2018 2:30:21 PM

Quant Time: Jul 04 05:56:42 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	157538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	238810	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	225837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	128278	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	127696	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
35) Dibromofluoromethane	4.89	113	104107	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
50) Toluene-d8	7.57	98	325802	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
62) 4-Bromofluorobenzene	10.31	95	135079	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	35486	17.996	ug/l	97
3) Chloromethane	1.33	50	37770	18.748	ug/l	100
4) Vinyl Chloride	1.40	62	41229	19.845	ug/l	98
5) Bromomethane	1.62	94	24496	24.390	ug/l	98
6) Chloroethane	1.70	64	27648	23.251	ug/l	100
7) Trichlorofluoromethane	1.89	101	68504	21.606	ug/l	99
8) Diethyl Ether	2.10	74	26483	23.548	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	39757	20.212	ug/l	95
10) Methyl Iodide	2.41	142	36141	24.703	ug/l	98
11) Tert butyl alcohol	2.82	59	74027	118.350	ug/l	99
12) 1,1-Dichloroethene	2.28	96	36943	20.595	ug/l	97
13) Acrolein	2.19	56	7700	23.442	ug/l	99
14) Allyl chloride	2.59	41	63984	19.211	ug/l	98
15) Acrylonitrile	2.94	53	137926	113.335	ug/l	99
16) Acetone	2.32	43	140352	101.568	ug/l	97
17) Carbon Disulfide	2.48	76	98655	17.176	ug/l	99
18) Methyl Acetate	2.62	43	85678	28.922	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	151023	22.397	ug/l	97
20) Methylene Chloride	2.70	84	49743	22.942	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	41070	20.788	ug/l	97
22) Diisopropyl ether	3.57	45	146351	22.166	ug/l	93
23) Vinyl Acetate	3.53	43	610470	103.217	ug/l	100
24) 1,1-Dichloroethane	3.45	63	83149	21.892	ug/l	98
25) 2-Butanone	4.26	43	205574	110.754	ug/l	99
26) 2,2-Dichloropropane	4.23	77	65492	18.159	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	49985	22.007	ug/l	98
28) Bromochloromethane	4.55	49	28702	17.156	ug/l	89
29) Tetrahydrofuran	4.64	42	132036	114.870	ug/l	97
30) Chloroform	4.68	83	89604	23.308	ug/l	96
31) Cyclohexane	5.00	56	73986	20.782	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	78696	22.137	ug/l	95
36) 1,1-Dichloropropene	5.14	75	59259	21.117	ug/l	97
37) Ethyl Acetate	4.38	43	75801	24.783	ug/l	98
38) Carbon Tetrachloride	5.14	117	68345	22.148	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	72565	20.721	ug/l	94
40) Benzene	5.39	78	180932	22.627	ug/l	99
41) Methacrylonitrile	4.54	41	41666	25.266	ug/l	99
42) 1,2-Dichloroethane	5.41	62	76173	25.012	ug/l	97
43) Isopropyl Acetate	5.55	43	118317	22.379	ug/l	99
44) Trichloroethene	6.19	130	49371	21.695	ug/l	95
45) 1,2-Dichloropropane	6.44	63	47387	22.210	ug/l	98
46) Dibromomethane	6.56	93	35480	23.675	ug/l	96
47) Bromodichloromethane	6.76	83	65092	21.812	ug/l	98
48) Methyl methacrylate	6.63	41	60865	23.643	ug/l	97
49) 1,4-Dioxane	6.61	88	27240	541.063	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	393617	118.507	ug/l	99
52) Toluene	7.64	92	115935	22.536	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	66553	19.859	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	73100	20.470	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	48625	23.253	ug/l	98
56) Ethyl methacrylate	8.02	69	74590	21.311	ug/l	99
57) 1,3-Dichloropropane	8.25	76	82633	23.425	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.14	63	580	0.433	ug/l #	50
59) 2-Hexanone	8.36	43	308027	113.593	ug/l	99
60) Dibromochloromethane	8.48	129	51511	19.754	ug/l	100
61) 1,2-Dibromoethane	8.59	107	53065	22.799	ug/l	98
64) Tetrachloroethene	8.23	164	48444	22.567	ug/l	97
65) Chlorobenzene	9.12	112	131572	22.806	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	49398	22.537	ug/l	99
67) Ethyl Benzene	9.25	91	227607	22.504	ug/l	99
68) m/p-Xylenes	9.38	106	175084	45.081	ug/l	98
69) o-Xylene	9.78	106	86727	22.564	ug/l	98
70) Styrene	9.80	104	134319	21.265	ug/l	98
71) Bromoform	9.96	173	39109	18.772	ug/l #	100
73) Isopropylbenzene	10.17	105	235079	23.869	ug/l	99
74) N-amyl acetate	10.02	43	99056	21.145	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	79330	24.037	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	68028m	24.087	ug/l	
77) Bromobenzene	10.46	156	59755	23.966	ug/l	96
78) n-propylbenzene	10.59	91	254756	21.959	ug/l	97
79) 2-Chlorotoluene	10.66	91	157450	23.013	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	197821	23.174	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	19179m	15.717	ug/l	
82) 4-Chlorotoluene	10.78	91	176350	22.146	ug/l	98
83) tert-Butylbenzene	11.10	119	196861	23.974	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	201605	23.175	ug/l	99
85) sec-Butylbenzene	11.33	105	229506	22.329	ug/l	98
86) p-Isopropyltoluene	11.48	119	200981	21.833	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	103808	22.535	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	102094	22.020	ug/l	99
89) n-Butylbenzene	11.89	91	154052	18.850	ug/l	97
90) Hexachloroethane	12.15	117	33760	18.800	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	109760	23.789	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20101	22.073	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	61291	21.512	ug/l	99
94) Hexachlorobutadiene	13.70	225	34316	21.398	ug/l	99
95) Naphthalene	13.75	128	219700	23.655	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	65949	23.229	ug/l	99

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

