

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
 Data File : VU028719.D
 Acq On : 17 Dec 2018 14:42
 Operator : MD/SY
 Sample : VU1217WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 11:31:12 AM

Quant Time: Dec 18 04:21:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	90697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	157150	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	144539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70044	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	70900	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	4.88	113	53062	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
50) Toluene-d8	7.56	98	208474	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
62) 4-Bromofluorobenzene	10.31	95	74342	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	24081	19.809	ug/l 98
3) Chloromethane	1.33	50	42454	18.995	ug/l 100
4) Vinyl Chloride	1.40	62	32126	19.918	ug/l 97
5) Bromomethane	1.60	94	17003	26.170	ug/l 100
6) Chloroethane	1.68	64	18328	20.072	ug/l 96
7) Trichlorofluoromethane	1.87	101	34760	20.484	ug/l 97
8) Diethyl Ether	2.10	74	15574	19.616	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	20887	20.580	ug/l 99
10) Methyl Iodide	2.41	142	21371	26.836	ug/l 100
11) Tert butyl alcohol	2.83	59	32154	104.271	ug/l 100
12) 1,1-Dichloroethene	2.28	96	20239	20.043	ug/l 92
13) Acrolein	2.19	56	24264	98.702	ug/l 99
14) Allyl chloride	2.59	41	50196	21.012	ug/l 93
15) Acrylonitrile	2.94	53	89069	104.036	ug/l 100
16) Acetone	2.32	43	72426	80.189	ug/l 97
17) Carbon Disulfide	2.47	76	70911	19.493	ug/l 99
18) Methyl Acetate	2.61	43	53239	22.739	ug/l 100
19) Methyl tert-butyl Ether	3.00	73	78877	20.605	ug/l 99
20) Methylene Chloride	2.70	84	25609	19.234	ug/l 98
21) trans-1,2-Dichloroethene	2.98	96	22459	19.754	ug/l 96
22) Diisopropyl ether	3.57	45	96208	20.710	ug/l 99
23) Vinyl Acetate	3.52	43	386504	100.867	ug/l 99
24) 1,1-Dichloroethane	3.44	63	49490	20.352	ug/l 99
25) 2-Butanone	4.26	43	120183	97.370	ug/l 100
26) 2,2-Dichloropropane	4.23	77	36440	18.912	ug/l 100
27) cis-1,2-Dichloroethene	4.23	96	26452	20.555	ug/l 96
28) Bromochloromethane	4.55	49	26479	23.953	ug/l 97
29) Tetrahydrofuran	4.64	42	84081	106.068	ug/l 99
30) Chloroform	4.67	83	44186	20.848	ug/l 98
31) Cyclohexane	4.99	56	49083	19.965	ug/l 97
32) 1,1,1-Trichloroethane	4.91	97	36406	20.682	ug/l 98
36) 1,1-Dichloropropene	5.13	75	33887	19.706	ug/l 99
37) Ethyl Acetate	4.38	43	45137	20.304	ug/l 100
38) Carbon Tetrachloride	5.13	117	28996	20.920	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	40647	19.374	ug/l	98
40) Benzene	5.39	78	104477	20.628	ug/l	99
41) Methacrylonitrile	4.54	41	26176	21.501	ug/l	98
42) 1,2-Dichloroethane	5.40	62	36048	20.333	ug/l	99
43) Isopropyl Acetate	5.55	43	73430	20.884	ug/l	99
44) Trichloroethene	6.18	130	23747	21.087	ug/l	94
45) 1,2-Dichloropropane	6.43	63	30381	21.331	ug/l	93
46) Dibromomethane	6.56	93	18371	21.739	ug/l	98
47) Bromodichloromethane	6.76	83	34862	21.200	ug/l	97
48) Methyl methacrylate	6.62	41	36579	20.919	ug/l	98
49) 1,4-Dioxane	6.61	88	11867	429.812	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	233771	105.412	ug/l	99
52) Toluene	7.64	92	61135	20.510	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	40136	20.493	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	43880	20.651	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	25345	21.510	ug/l	96
56) Ethyl methacrylate	8.02	69	42579	21.103	ug/l	98
57) 1,3-Dichloropropane	8.24	76	45790	20.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	105646	102.223	ug/l	100
59) 2-Hexanone	8.36	43	179390	102.057	ug/l	99
60) Dibromochloromethane	8.48	129	24431	21.178	ug/l	97
61) 1,2-Dibromoethane	8.58	107	26867	21.744	ug/l	99
64) Tetrachloroethene	8.22	164	20034	20.780	ug/l	98
65) Chlorobenzene	9.12	112	65453	21.251	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	21904	22.271	ug/l	99
67) Ethyl Benzene	9.25	91	117294	20.716	ug/l	100
68) m/p-Xylenes	9.37	106	86303	41.890	ug/l	99
69) o-Xylene	9.78	106	42061	21.008	ug/l	99
70) Styrene	9.79	104	68900	20.794	ug/l	99
71) Bromoform	9.96	173	19518	23.328	ug/l #	99
73) Isopropylbenzene	10.16	105	115234	21.440	ug/l	100
74) N-amyl acetate	10.01	43	63577	20.507	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	46967	22.748	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	40012m	22.371	ug/l	
77) Bromobenzene	10.45	156	27013	21.490	ug/l	99
78) n-propylbenzene	10.58	91	145518	21.789	ug/l	100
79) 2-Chlorotoluene	10.66	91	81420	21.164	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	92727	20.842	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	13579m	18.995	ug/l	
82) 4-Chlorotoluene	10.77	91	92910	20.380	ug/l	100
83) tert-Butylbenzene	11.10	119	91719	21.388	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	103073	22.480	ug/l	99
85) sec-Butylbenzene	11.32	105	114682	20.817	ug/l	99
86) p-Isopropyltoluene	11.47	119	93932	20.072	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	49386	20.807	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	48354	19.690	ug/l	95
89) n-Butylbenzene	11.89	91	90272	19.060	ug/l	98
90) Hexachloroethane	12.14	117	15995	22.613	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	49532	20.862	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10009	22.392	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	31961	20.103	ug/l	98
94) Hexachlorobutadiene	13.69	225	14597	18.769	ug/l	97
95) Naphthalene	13.74	128	113673	19.952	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	32626	20.181	ug/l	99

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

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