

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121518\
 Data File : VU028685.D
 Acq On : 14 Dec 2018 16:03
 Operator : MD/SY
 Sample : VU1215WBS02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 9:48:44 AM

Quant Time: Dec 15 01:04:53 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	73523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	129763	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	119609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	56259	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	59893	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
35) Dibromofluoromethane	4.88	113	43118	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
50) Toluene-d8	7.57	98	166454	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
62) 4-Bromofluorobenzene	10.30	95	59032	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	19320	19.605	ug/l	99
3) Chloromethane	1.33	50	33328	18.395	ug/l	99
4) Vinyl Chloride	1.40	62	25363	19.398	ug/l	100
5) Bromomethane	1.61	94	9872	18.744	ug/l	95
6) Chloroethane	1.69	64	14437	19.504	ug/l	99
7) Trichlorofluoromethane	1.88	101	27221	19.788	ug/l	99
8) Diethyl Ether	2.10	74	11750	18.257	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	16709	20.309	ug/l	98
10) Methyl Iodide	2.41	142	15985	24.762	ug/l	98
11) Tert butyl alcohol	2.83	59	28239	112.965	ug/l	98
12) 1,1-Dichloroethene	2.28	96	15752	19.243	ug/l	98
13) Acrolein	2.19	56	16507	82.833	ug/l	97
14) Allyl chloride	2.59	41	37033	19.123	ug/l	99
15) Acrylonitrile	2.94	53	74623	107.523	ug/l	99
16) Acetone	2.32	43	68133	93.057	ug/l	97
17) Carbon Disulfide	2.48	76	53732	18.220	ug/l	100
18) Methyl Acetate	2.62	43	44320	23.351	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	61832	19.925	ug/l	100
20) Methylene Chloride	2.70	84	20151	18.670	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	17891	19.412	ug/l	98
22) Diisopropyl ether	3.57	45	78013	20.716	ug/l	98
23) Vinyl Acetate	3.52	43	315434	101.548	ug/l	99
24) 1,1-Dichloroethane	3.45	63	39502	20.039	ug/l	99
25) 2-Butanone	4.26	43	104864	104.804	ug/l	98
26) 2,2-Dichloropropane	4.22	77	31486	20.158	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	21034	20.163	ug/l	98
28) Bromochloromethane	4.55	49	19480	21.738	ug/l	96
29) Tetrahydrofuran	4.64	42	70062	109.028	ug/l	97
30) Chloroform	4.67	83	35040	20.395	ug/l	95
31) Cyclohexane	5.00	56	39159	19.629	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	29186	20.454	ug/l	97
36) 1,1-Dichloropropene	5.13	75	27273	19.207	ug/l	98
37) Ethyl Acetate	4.38	43	38221	20.822	ug/l	99
38) Carbon Tetrachloride	5.13	117	23012	20.107	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	30842	17.804	ug/l	99
40) Benzene	5.39	78	84288	20.154	ug/l	99
41) Methacrylonitrile	4.54	41	20820	20.711	ug/l	98
42) 1,2-Dichloroethane	5.40	62	29243	19.976	ug/l	98
43) Isopropyl Acetate	5.55	43	60295	20.767	ug/l	97
44) Trichloroethene	6.19	130	17351	18.659	ug/l	98
45) 1,2-Dichloropropane	6.43	63	24293	20.656	ug/l	99
46) Dibromomethane	6.56	93	14152	20.281	ug/l	97
47) Bromodichloromethane	6.76	83	27401	20.180	ug/l	97
48) Methyl methacrylate	6.62	41	30461	21.097	ug/l	96
49) 1,4-Dioxane	6.61	88	10442	458.020	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	192926	105.355	ug/l	98
52) Toluene	7.64	92	48487	19.700	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	31563	19.517	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	34138	19.457	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	19952	20.507	ug/l	98
56) Ethyl methacrylate	8.02	69	33019	19.818	ug/l	98
57) 1,3-Dichloropropane	8.24	76	35756	19.798	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	84129	98.584	ug/l	99
59) 2-Hexanone	8.36	43	148163	102.081	ug/l	99
60) Dibromochloromethane	8.48	129	19388	20.354	ug/l	100
61) 1,2-Dibromoethane	8.58	107	20017	19.619	ug/l	95
64) Tetrachloroethene	8.23	164	14625	18.331	ug/l	99
65) Chlorobenzene	9.12	112	48678	19.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	17342	21.307	ug/l	99
67) Ethyl Benzene	9.25	91	88879	18.969	ug/l	100
68) m/p-Xylenes	9.37	106	66430	38.964	ug/l	100
69) o-Xylene	9.78	106	32006	19.318	ug/l	98
70) Styrene	9.79	104	51765	18.879	ug/l	99
71) Bromoform	9.96	173	14519	20.970	ug/l #	95
73) Isopropylbenzene	10.16	105	85438	19.791	ug/l	98
74) N-amyl acetate	10.01	43	50966	20.467	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	36508	22.015	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	29958m	20.854	ug/l	
77) Bromobenzene	10.45	156	20290	20.097	ug/l	100
78) n-propylbenzene	10.58	91	103631	19.319	ug/l	99
79) 2-Chlorotoluene	10.66	91	62783	20.319	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	71360	19.970	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	13678m	23.688	ug/l	
82) 4-Chlorotoluene	10.77	91	71026	19.398	ug/l	98
83) tert-Butylbenzene	11.10	119	67656	19.643	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	72293	19.630	ug/l	99
85) sec-Butylbenzene	11.32	105	84662	19.133	ug/l	99
86) p-Isopropyltoluene	11.48	119	70437	18.740	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	36050	18.910	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	36758	18.636	ug/l	98
89) n-Butylbenzene	11.89	91	66666	17.525	ug/l	99
90) Hexachloroethane	12.14	117	12738	22.421	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	37312	19.566	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	7764	21.625	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	22563	17.771	ug/l	99
94) Hexachlorobutadiene	13.69	225	11612	18.589	ug/l	97
95) Naphthalene	13.74	128	78428	17.139	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	23751	18.305	ug/l	100

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

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