

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028645.D
 Acq On : 12 Dec 2018 12:21
 Operator : MD/SY
 Sample : VU1213WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 9:29:46 AM

Quant Time: Dec 13 01:19:08 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	99135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	175575	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	158826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	75930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.30	65	75761	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	4.88	113	56993	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	7.56	98	222078	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	10.30	95	80585	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	23590	17.753	ug/l	97
3) Chloromethane	1.33	50	42075	17.223	ug/l	98
4) Vinyl Chloride	1.40	62	32741	18.571	ug/l	100
5) Bromomethane	1.60	94	14929	21.022	ug/l	98
6) Chloroethane	1.68	64	18352	18.388	ug/l	97
7) Trichlorofluoromethane	1.88	101	33552	18.089	ug/l	99
8) Diethyl Ether	2.10	74	15703	18.095	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	20315	18.313	ug/l	97
10) Methyl Iodide	2.41	142	20743	23.831	ug/l	99
11) Tert butyl alcohol	2.83	59	31253	92.722	ug/l	99
12) 1,1-Dichloroethene	2.28	96	19616	17.772	ug/l	99
13) Acrolein	2.19	56	23810	88.611	ug/l	98
14) Allyl chloride	2.59	41	44978	17.226	ug/l	99
15) Acrylonitrile	2.94	53	88710	94.797	ug/l	99
16) Acetone	2.32	43	77647	78.653	ug/l	97
17) Carbon Disulfide	2.47	76	67887	17.073	ug/l	99
18) Methyl Acetate	2.61	43	55480	21.679	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	77506	18.523	ug/l	99
20) Methylene Chloride	2.70	84	25313	17.394	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	22285	17.932	ug/l	96
22) Diisopropyl ether	3.57	45	94207	18.553	ug/l	97
23) Vinyl Acetate	3.52	43	384783	91.870	ug/l	100
24) 1,1-Dichloroethane	3.44	63	48031	18.070	ug/l	99
25) 2-Butanone	4.26	43	121644	90.165	ug/l	99
26) 2,2-Dichloropropane	4.22	77	37663	17.883	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	25601	18.201	ug/l	99
28) Bromochloromethane	4.55	49	24052	19.905	ug/l	97
29) Tetrahydrofuran	4.64	42	82357	95.050	ug/l	99
30) Chloroform	4.67	83	43747	18.884	ug/l	99
31) Cyclohexane	4.99	56	48619	17.978	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	35550	18.477	ug/l	98
36) 1,1-Dichloropropene	5.13	75	33291	17.327	ug/l	99
37) Ethyl Acetate	4.38	43	44166	17.783	ug/l	99
38) Carbon Tetrachloride	5.13	117	28297	18.273	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	39620	16.903	ug/l	98
40) Benzene	5.39	78	104367	18.444	ug/l	97
41) Methacrylonitrile	4.54	41	25887	19.032	ug/l	99
42) 1,2-Dichloroethane	5.40	62	35396	17.870	ug/l	99
43) Isopropyl Acetate	5.55	43	73590	18.733	ug/l	99
44) Trichloroethene	6.18	130	22597	17.960	ug/l	99
45) 1,2-Dichloropropane	6.43	63	29097	18.286	ug/l	95
46) Dibromomethane	6.56	93	17937	18.998	ug/l	99
47) Bromodichloromethane	6.76	83	33135	18.035	ug/l	100
48) Methyl methacrylate	6.62	41	36099	18.478	ug/l	98
49) 1,4-Dioxane	6.61	88	11015	357.087	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	231889	93.591	ug/l	100
52) Toluene	7.64	92	59121	17.753	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	38584	17.633	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	42822	18.038	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	25117	19.080	ug/l	96
56) Ethyl methacrylate	8.02	69	42786	18.980	ug/l	98
57) 1,3-Dichloropropane	8.24	76	45157	18.479	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	120663	104.501	ug/l	99
59) 2-Hexanone	8.36	43	176328	89.788	ug/l	100
60) Dibromochloromethane	8.48	129	23003	17.848	ug/l	98
61) 1,2-Dibromoethane	8.58	107	26306	19.056	ug/l	99
64) Tetrachloroethene	8.22	164	19186	18.110	ug/l	96
65) Chlorobenzene	9.12	112	62828	18.564	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	21598	19.984	ug/l	98
67) Ethyl Benzene	9.25	91	112909	18.148	ug/l	99
68) m/p-Xylenes	9.37	106	84217	37.200	ug/l	100
69) o-Xylene	9.78	106	41468	18.849	ug/l	99
70) Styrene	9.79	104	67193	18.455	ug/l	98
71) Bromoform	9.96	173	18047	19.629	ug/l #	99
73) Isopropylbenzene	10.16	105	107778	18.498	ug/l	99
74) N-amyl acetate	10.01	43	64800	19.281	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	44397	19.836	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	38608m	19.912	ug/l	
77) Bromobenzene	10.45	156	26136	19.180	ug/l	98
78) n-propylbenzene	10.58	91	132051	18.240	ug/l	99
79) 2-Chlorotoluene	10.66	91	79518	19.068	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	90007	18.662	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	16664m	21.434	ug/l	
82) 4-Chlorotoluene	10.77	91	89838	18.179	ug/l	100
83) tert-Butylbenzene	11.10	119	88413	19.019	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	92017	18.513	ug/l	99
85) sec-Butylbenzene	11.32	105	108538	18.175	ug/l	99
86) p-Isopropyltoluene	11.48	119	90816	17.902	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	46478	18.064	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	47470	17.832	ug/l	100
89) n-Butylbenzene	11.89	91	84384	16.436	ug/l	100
90) Hexachloroethane	12.14	117	14744	19.229	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	48050	18.669	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	9760	20.142	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	29715	17.362	ug/l	99
94) Hexachlorobutadiene	13.69	225	14248	16.900	ug/l	96
95) Naphthalene	13.74	128	107271	17.369	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	31243	17.844	ug/l	98

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

