

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111318\
 Data File : VU028088.D
 Acq On : 13 Nov 2018 13:41
 Operator : MD/SY
 Sample : VU1113WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1113WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 9:34:35 AM

Quant Time: Nov 14 07:41:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	239318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	409537	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	381825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	192060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	175775	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	4.88	113	133804	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	7.57	98	536509	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
62) 4-Bromofluorobenzene	10.31	95	201164	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	43533	14.316	ug/l	96
3) Chloromethane	1.33	50	64190	17.454	ug/l	99
4) Vinyl Chloride	1.40	62	66303	18.164	ug/l	98
5) Bromomethane	1.61	94	30575	22.702	ug/l	98
6) Chloroethane	1.69	64	41207	19.589	ug/l	99
7) Trichlorofluoromethane	1.88	101	79357	18.814	ug/l	98
8) Diethyl Ether	2.11	74	39446	21.841	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	50883	20.307	ug/l	99
10) Methyl Iodide	2.41	142	37943	21.689	ug/l	96
11) Tert butyl alcohol	2.83	59	89604	95.127	ug/l	99
12) 1,1-Dichloroethene	2.28	96	47888	19.093	ug/l	94
13) Acrolein	2.20	56	21277	56.140	ug/l	97
14) Allyl chloride	2.59	41	102954	16.795	ug/l	97
15) Acrylonitrile	2.94	53	215066	92.950	ug/l	99
16) Acetone	2.32	43	190919	86.484	ug/l	99
17) Carbon Disulfide	2.48	76	139269	16.988	ug/l	99
18) Methyl Acetate	2.62	43	111305	18.329	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	196831	19.460	ug/l	100
20) Methylene Chloride	2.70	84	61023	18.933	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	53640	18.531	ug/l	97
22) Diisopropyl ether	3.58	45	228974	18.092	ug/l	98
23) Vinyl Acetate	3.53	43	973652	89.517	ug/l	98
24) 1,1-Dichloroethane	3.45	63	115063	18.253	ug/l	98
25) 2-Butanone	4.26	43	309610	88.157	ug/l	97
26) 2,2-Dichloropropane	4.23	77	88992	18.812	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	64939	20.006	ug/l	97
28) Bromochloromethane	4.55	49	57944	19.607	ug/l	92
29) Tetrahydrofuran	4.64	42	200799	85.625	ug/l	95
30) Chloroform	4.67	83	105912	18.324	ug/l	97
31) Cyclohexane	5.00	56	113775	17.287	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	88443	19.222	ug/l	98
36) 1,1-Dichloropropene	5.14	75	80291	18.719	ug/l	99
37) Ethyl Acetate	4.39	43	110026	17.507	ug/l	98
38) Carbon Tetrachloride	5.14	117	71038	18.689	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	98608	19.061	ug/l	97
40) Benzene	5.39	78	256048	19.525	ug/l	100
41) Methacrylonitrile	4.55	41	62387	18.601	ug/l	96
42) 1,2-Dichloroethane	5.41	62	86815	18.624	ug/l	98
43) Isopropyl Acetate	5.55	43	178626	18.142	ug/l	98
44) Trichloroethene	6.19	130	58586	20.784	ug/l	92
45) 1,2-Dichloropropane	6.43	63	72301	19.117	ug/l	99
46) Dibromomethane	6.56	93	42269	19.444	ug/l	96
47) Bromodichloromethane	6.76	83	82525	19.699	ug/l	97
48) Methyl methacrylate	6.62	41	89431	18.535	ug/l	96
49) 1,4-Dioxane	6.61	88	35396	449.638	ug/l	91
51) 4-Methyl-2-Pentanone	7.46	43	592709	90.137	ug/l	98
52) Toluene	7.64	92	153506	19.911	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	94516	18.904	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	105868	20.499	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	63045	20.100	ug/l	97
56) Ethyl methacrylate	8.02	69	107997	19.525	ug/l	97
57) 1,3-Dichloropropane	8.24	76	111773	19.563	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	291720	98.473	ug/l	98
59) 2-Hexanone	8.36	43	462404	90.921	ug/l	96
60) Dibromochloromethane	8.48	129	58977	19.871	ug/l	99
61) 1,2-Dibromoethane	8.59	107	67124	20.140	ug/l	96
64) Tetrachloroethene	8.23	164	50729	20.489	ug/l	96
65) Chlorobenzene	9.12	112	162685	20.167	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	55584	20.173	ug/l	98
67) Ethyl Benzene	9.25	91	299520	20.172	ug/l	100
68) m/p-Xylenes	9.38	106	223885	41.555	ug/l	98
69) o-Xylene	9.78	106	108686	19.978	ug/l	100
70) Styrene	9.79	104	178577	20.543	ug/l	98
71) Bromoform	9.96	173	45834	19.848	ug/l #	100
73) Isopropylbenzene	10.17	105	293521	19.728	ug/l	99
74) N-amyl acetate	10.01	43	167504	18.618	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	113060	18.838	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	100559m	19.142	ug/l	
77) Bromobenzene	10.45	156	70695	20.721	ug/l	95
78) n-propylbenzene	10.59	91	354258	19.891	ug/l	99
79) 2-Chlorotoluene	10.66	91	206939	19.385	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	239163	19.404	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	30817m	14.832	ug/l	
82) 4-Chlorotoluene	10.77	91	237298	19.580	ug/l	99
83) tert-Butylbenzene	11.10	119	231772	18.810	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	248540	20.026	ug/l	100
85) sec-Butylbenzene	11.32	105	303017	20.221	ug/l	100
86) p-Isopropyltoluene	11.48	119	253866	20.265	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	127385	20.212	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	126548	19.590	ug/l	98
89) n-Butylbenzene	11.89	91	245660	20.634	ug/l	99
90) Hexachloroethane	12.14	117	40436	18.130	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	128513	20.277	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	23600	18.662	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	90568	20.781	ug/l	97
94) Hexachlorobutadiene	13.69	225	40989	20.349	ug/l	98
95) Naphthalene	13.74	128	314005	19.822	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	91343	21.478	ug/l	100

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

