

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027259.D
 Acq On : 28 Sep 2018 10:26
 Operator : MD/SY
 Sample : VU0928WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:07:44 PM

Quant Time: Sep 28 17:05:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	77512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	132177	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	129947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	77279	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	4.88	113	55468	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	7.57	98	197055	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
62) 4-Bromofluorobenzene	10.31	95	72439	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	21675	21.417	ug/l	96
3) Chloromethane	1.33	50	33791	19.366	ug/l	98
4) Vinyl Chloride	1.40	62	32125	19.724	ug/l	99
5) Bromomethane	1.63	94	17962	19.366	ug/l	99
6) Chloroethane	1.70	64	20231	19.441	ug/l	98
7) Trichlorofluoromethane	1.89	101	35960	19.440	ug/l	100
8) Diethyl Ether	2.11	74	17912	20.117	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22738	19.991	ug/l	96
10) Methyl Iodide	2.41	142	10242	7.260	ug/l	98
11) Tert butyl alcohol	2.83	59	33358	93.289	ug/l	98
12) 1,1-Dichloroethene	2.29	96	21320	19.915	ug/l	94
13) Acrolein	2.20	56	11356	58.913	ug/l	100
14) Allyl chloride	2.59	41	48787	22.469	ug/l	95
15) Acrylonitrile	2.94	53	98019	108.761	ug/l	99
16) Acetone	2.32	43	97932	108.808	ug/l	99
17) Carbon Disulfide	2.48	76	69959	20.060	ug/l	99
18) Methyl Acetate	2.62	43	53296	24.002	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	89779	22.821	ug/l	99
20) Methylene Chloride	2.70	84	28053	20.079	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	23913	20.921	ug/l	100
22) Diisopropyl ether	3.57	45	111433	23.993	ug/l	98
23) Vinyl Acetate	3.53	43	464149	117.242	ug/l	99
24) 1,1-Dichloroethane	3.45	63	54395	21.265	ug/l	99
25) 2-Butanone	4.26	43	144785	110.434	ug/l	99
26) 2,2-Dichloropropane	4.23	77	41554	20.831	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	27363	21.198	ug/l	97
28) Bromochloromethane	4.55	49	27018	21.912	ug/l	95
29) Tetrahydrofuran	4.64	42	92889	117.122	ug/l	95
30) Chloroform	4.67	83	50181	21.135	ug/l	100
31) Cyclohexane	5.00	56	50179	21.250	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	39808	20.999	ug/l	100
36) 1,1-Dichloropropene	5.14	75	35667	20.219	ug/l	99
37) Ethyl Acetate	4.38	43	53089	22.231	ug/l	99
38) Carbon Tetrachloride	5.13	117	33915	20.203	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	39618	20.666	ug/l	96
40) Benzene	5.39	78	111342	20.762	ug/l	99
41) Methacrylonitrile	4.55	41	29090	23.455	ug/l	98
42) 1,2-Dichloroethane	5.41	62	44300	21.865	ug/l	99
43) Isopropyl Acetate	5.55	43	80509	23.117	ug/l	98
44) Trichloroethene	6.19	130	23816	20.861	ug/l	100
45) 1,2-Dichloropropane	6.43	63	33232	21.748	ug/l	97
46) Dibromomethane	6.56	93	19506	21.137	ug/l	97
47) Bromodichloromethane	6.76	83	38968	20.883	ug/l	98
48) Methyl methacrylate	6.62	41	39812	21.590	ug/l	96
49) 1,4-Dioxane	6.62	88	12240	323.974	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	265884	113.513	ug/l	98
52) Toluene	7.64	92	64916	21.118	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	44323	22.107	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	48136	21.836	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	27569	21.166	ug/l	99
56) Ethyl methacrylate	8.02	69	44673	21.094	ug/l	98
57) 1,3-Dichloropropane	8.24	76	52685	21.748	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	113377	91.541	ug/l	98
59) 2-Hexanone	8.36	43	203257	110.856	ug/l	98
60) Dibromochloromethane	8.48	129	27434	21.473	ug/l	99
61) 1,2-Dibromoethane	8.59	107	28462	21.002	ug/l	98
64) Tetrachloroethene	8.23	164	19939	19.912	ug/l	97
65) Chlorobenzene	9.12	112	66986	19.441	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	24114	20.319	ug/l	99
67) Ethyl Benzene	9.25	91	118158	20.854	ug/l	100
68) m/p-Xylenes	9.38	106	87587	39.099	ug/l	98
69) o-Xylene	9.78	106	42551	21.196	ug/l	97
70) Styrene	9.79	104	68769	19.493	ug/l	99
71) Bromoform	9.96	173	19366	21.102	ug/l #	100
73) Isopropylbenzene	10.17	105	112147	21.626	ug/l	100
74) N-amyl acetate	10.02	43	67351	22.437	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	47893	20.087	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	43435m	20.972	ug/l	
77) Bromobenzene	10.45	156	26420	20.849	ug/l	96
78) n-propylbenzene	10.59	91	132375	21.574	ug/l	100
79) 2-Chlorotoluene	10.66	91	82331	21.362	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	93831	21.919	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	11406m	17.625	ug/l	
82) 4-Chlorotoluene	10.77	91	93459	21.626	ug/l	99
83) tert-Butylbenzene	11.10	119	88323	20.869	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	96050	22.048	ug/l	97
85) sec-Butylbenzene	11.32	105	110832	21.453	ug/l	99
86) p-Isopropyltoluene	11.48	119	94555	20.071	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	47805	20.272	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	49028	19.076	ug/l	98
89) n-Butylbenzene	11.89	91	81992	19.006	ug/l	98
90) Hexachloroethane	12.15	117	17621	18.756	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	49229	19.653	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10110	20.785	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	28929	20.040	ug/l	99
94) Hexachlorobutadiene	13.69	225	14559	19.061	ug/l	100
95) Naphthalene	13.74	128	100272	18.855	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	30768	19.876	ug/l	98

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

