

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024802.D
 Acq On : 21 Jun 2018 11:32
 Operator : MD/SY
 Sample : VU0621WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0621WBS01

Manual Integrations
 APPROVED

apatel
 6/22/2018 4:01:55 PM

Quant Time: Jun 21 15:33:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	168788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	253790	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	238441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	138684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	119963	43.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.08%	
35) Dibromofluoromethane	4.89	113	96301	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
50) Toluene-d8	7.57	98	353309	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
62) 4-Bromofluorobenzene	10.31	95	137136	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	36950	17.49	ug/l	98
3) Chloromethane	1.33	50	41281	19.13	ug/l	97
4) Vinyl Chloride	1.40	62	42329	19.02	ug/l	95
5) Bromomethane	1.63	94	28988	26.94	ug/l	98
6) Chloroethane	1.70	64	27092	21.17	ug/l	99
7) Trichlorofluoromethane	1.89	101	71272	20.98	ug/l	99
8) Diethyl Ether	2.10	74	26580	21.94	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	40229	19.09	ug/l	98
10) Methyl Iodide	2.41	142	33344	22.01	ug/l	97
11) Tert butyl alcohol	2.82	59	52907	78.95	ug/l	99
12) 1,1-Dichloroethene	2.29	96	37085	19.30	ug/l	90
13) Acrolein	2.19	56	54065	153.63	ug/l	97
14) Allyl chloride	2.59	41	62919	17.63	ug/l	97
15) Acrylonitrile	2.94	53	121433	93.13	ug/l	99
16) Acetone	2.32	43	129404	87.40	ug/l	97
17) Carbon Disulfide	2.48	76	109332	17.77	ug/l	99
18) Methyl Acetate	2.62	43	62938	19.83	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	138520	19.17	ug/l	96
20) Methylene Chloride	2.71	84	44409	19.12	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	40923	19.33	ug/l	94
22) Diisopropyl ether	3.57	45	137224	19.40	ug/l	94
23) Vinyl Acetate	3.53	43	602695	95.11	ug/l	99
24) 1,1-Dichloroethane	3.45	63	78116	19.20	ug/l	99
25) 2-Butanone	4.26	43	183319	92.18	ug/l	97
26) 2,2-Dichloropropane	4.23	77	72826	18.85	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	48269	19.83	ug/l	99
28) Bromochloromethane	4.55	49	31287	17.45	ug/l	90
29) Tetrahydrofuran	4.63	42	112299	91.19	ug/l	97
30) Chloroform	4.68	83	81318	19.74	ug/l	96
31) Cyclohexane	5.00	56	76431	19.96	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	72650	19.07	ug/l	97
36) 1,1-Dichloropropene	5.14	75	59810	20.06	ug/l	97
37) Ethyl Acetate	4.38	43	65175	20.05	ug/l	96
38) Carbon Tetrachloride	5.14	117	65761	20.05	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	78433	21.08	ug/l	96
40) Benzene	5.39	78	178221	20.97	ug/l	99
41) Methacrylonitrile	4.54	41	36272	20.70	ug/l	98
42) 1,2-Dichloroethane	5.41	62	68510	21.17	ug/l	100
43) Isopropyl Acetate	5.55	43	108087	19.24	ug/l	99
44) Trichloroethene	6.19	130	49428	20.44	ug/l	94
45) 1,2-Dichloropropane	6.44	63	46835	20.66	ug/l	96
46) Dibromomethane	6.56	93	33996	21.35	ug/l	95
47) Bromodichloromethane	6.76	83	64006	20.18	ug/l	100
48) Methyl methacrylate	6.63	41	55853	20.42	ug/l	99
49) 1,4-Dioxane	6.62	88	23820	445.21	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	344591	97.62	ug/l	99
52) Toluene	7.64	92	115731	21.17	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	69496	19.51	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	75403	19.87	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	45791	20.60	ug/l	96
56) Ethyl methacrylate	8.02	69	74296	19.97	ug/l	99
57) 1,3-Dichloropropane	8.25	76	78988	21.07	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	118793	83.36	ug/l	96
59) 2-Hexanone	8.36	43	273899	95.05	ug/l	98
60) Dibromochloromethane	8.48	129	51739	18.67	ug/l	99
61) 1,2-Dibromoethane	8.59	107	51509	20.82	ug/l	98
64) Tetrachloroethene	8.23	164	45396	20.03	ug/l	97
65) Chlorobenzene	9.12	112	129591	21.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	48780	21.08	ug/l	98
67) Ethyl Benzene	9.25	91	222300	20.82	ug/l	97
68) m/p-Xylenes	9.38	106	172981	42.18	ug/l	97
69) o-Xylene	9.78	106	85382	21.04	ug/l	99
70) Styrene	9.80	104	136598	20.48	ug/l	100
71) Bromoform	9.96	173	40780	18.54	ug/l #	100
73) Isopropylbenzene	10.17	105	232275	21.81	ug/l	99
74) N-amyl acetate	10.01	43	100306	19.81	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	74900	20.99	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	66365m	21.74	ug/l	
77) Bromobenzene	10.45	156	57701	21.41	ug/l	94
78) n-propylbenzene	10.59	91	263801	21.03	ug/l	97
79) 2-Chlorotoluene	10.66	91	156766	21.19	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	199214	21.59	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	19097m	14.48	ug/l	
82) 4-Chlorotoluene	10.78	91	181795	21.12	ug/l	100
83) tert-Butylbenzene	11.10	119	200100	22.54	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	205918	21.89	ug/l	100
85) sec-Butylbenzene	11.33	105	240484	21.64	ug/l	97
86) p-Isopropyltoluene	11.48	119	215174	21.62	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	105263	21.14	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	105672	21.08	ug/l	99
89) n-Butylbenzene	11.89	91	178949	20.25	ug/l	98
90) Hexachloroethane	12.15	117	38072	19.61	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	106786	21.41	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19000	19.30	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	72372	23.49	ug/l	99
94) Hexachlorobutadiene	13.70	225	39229	22.63	ug/l	100
95) Naphthalene	13.74	128	232719	23.19	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	76863	25.04	ug/l	100

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

