

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092418\
 Data File : VU027119.D
 Acq On : 24 Sep 2018 19:14
 Operator : MD/SY
 Sample : J4968-07MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MS

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:34:14 AM

Quant Time: Sep 25 02:58:17 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	4.98	168	74892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	132522	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	128681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	80977	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	4.88	113	55614	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	7.57	98	213030	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	10.31	95	76047	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	45716	46.753	ug/l	99
3) Chloromethane	1.33	50	77576	46.016	ug/l	99
4) Vinyl Chloride	1.40	62	75514	47.986	ug/l	99
5) Bromomethane	1.62	94	26376	29.433	ug/l	99
6) Chloroethane	1.69	64	50453	50.178	ug/l	98
7) Trichlorofluoromethane	1.88	101	89276	49.950	ug/l	99
8) Diethyl Ether	2.10	74	43690	50.785	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	52049	47.362	ug/l	98
10) Methyl Iodide	2.41	142	25229	18.510	ug/l	100
11) Tert butyl alcohol	2.83	59	85493	247.454	ug/l	99
12) 1,1-Dichloroethene	2.28	96	51062	49.365	ug/l	97
13) Acrolein	2.20	56	42083	225.959	ug/l	98
14) Allyl chloride	2.59	41	116806	55.676	ug/l	99
15) Acrylonitrile	2.94	53	238147	273.491	ug/l	100
16) Acetone	2.32	43	205732	257.441	ug/l	99
17) Carbon Disulfide	2.48	76	161207	47.841	ug/l	100
18) Methyl Acetate	2.61	43	111242	51.851	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	212231	55.835	ug/l	100
20) Methylene Chloride	2.70	84	67125	49.725	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	56647	51.294	ug/l	98
22) Diisopropyl ether	3.57	45	264713	58.991	ug/l	98
23) Vinyl Acetate	3.53	43	1018785	266.343	ug/l	99
24) 1,1-Dichloroethane	3.45	63	138495	56.038	ug/l	98
25) 2-Butanone	4.26	43	339716	268.182	ug/l	97
26) 2,2-Dichloropropane	4.23	77	92446	47.964	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	65655	52.643	ug/l	96
28) Bromochloromethane	4.55	49	72200	60.603	ug/l	95
29) Tetrahydrofuran	4.64	42	219170	286.014	ug/l	97
30) Chloroform	4.67	83	119991	52.304	ug/l	99
31) Cyclohexane	5.00	56	118231	52.658	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	98832	53.958	ug/l	99
36) 1,1-Dichloropropene	5.14	75	87899	49.698	ug/l	98
37) Ethyl Acetate	4.38	43	114216	47.703	ug/l	98
38) Carbon Tetrachloride	5.14	117	82302	48.899	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	98207	51.095	ug/l	97
40) Benzene	5.39	78	266321	49.533	ug/l	99
41) Methacrylonitrile	4.54	41	72581	58.370	ug/l	96
42) 1,2-Dichloroethane	5.40	62	104865	51.622	ug/l	99
43) Isopropyl Acetate	5.55	43	181828	52.073	ug/l	99
44) Trichloroethene	6.19	130	56330	49.212	ug/l	99
45) 1,2-Dichloropropane	6.43	63	80279	52.401	ug/l	96
46) Dibromomethane	6.56	93	47247	51.064	ug/l	97
47) Bromodichloromethane	6.76	83	94893	50.720	ug/l	100
48) Methyl methacrylate	6.62	41	97649	51.353	ug/l	99
49) 1,4-Dioxane	6.61	88	31741	840.694	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	657559	279.999	ug/l	99
52) Toluene	7.64	92	161378	52.363	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	107327	53.393	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	112098	50.719	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	65884	50.452	ug/l	99
56) Ethyl methacrylate	8.02	69	112621	49.717	ug/l	98
57) 1,3-Dichloropropane	8.24	76	127197	52.370	ug/l	100
59) 2-Hexanone	8.36	43	500477	272.249	ug/l	99
60) Dibromochloromethane	8.48	129	66196	51.678	ug/l	98
61) 1,2-Dibromoethane	8.59	107	68899	50.708	ug/l	100
64) Tetrachloroethene	8.23	164	44956	45.338	ug/l	97
65) Chlorobenzene	9.12	112	163688	47.974	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	59693	50.793	ug/l	100
67) Ethyl Benzene	9.25	91	298871	53.269	ug/l	99
68) m/p-Xylenes	9.38	106	222941	98.144	ug/l	99
69) o-Xylene	9.78	106	107187	53.919	ug/l	97
70) Styrene	9.79	104	178533	48.168	ug/l	99
71) Bromoform	9.96	173	46947	51.658	ug/l #	98
73) Isopropylbenzene	10.17	105	290062	52.943	ug/l	100
74) N-amyl acetate	10.01	43	159543	50.307	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	117832	46.777	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	107214m	48.999	ug/l	
77) Bromobenzene	10.45	156	64743	48.357	ug/l	93
78) n-propylbenzene	10.59	91	350172	54.017	ug/l	99
79) 2-Chlorotoluene	10.66	91	210192	51.620	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	244419	54.044	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	28952m	42.344	ug/l	
82) 4-Chlorotoluene	10.77	91	238774	52.296	ug/l	99
83) tert-Butylbenzene	11.10	119	234583	52.464	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	247614	53.799	ug/l	100
85) sec-Butylbenzene	11.32	105	292952	53.673	ug/l	99
86) p-Isopropyltoluene	11.48	119	247967	48.446	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	119886	48.119	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	122156	44.987	ug/l	99
89) n-Butylbenzene	11.89	91	230482	46.595	ug/l	99
90) Hexachloroethane	12.15	117	46797	47.148	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	123408	46.631	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26409	51.391	ug/l	96
93) 1,2,4-Trichlorobenzene	13.50	180	76242	49.992	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	37593	46.586	ug/l	99
95) Naphthalene	13.74	128	284494	47.788	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	82512	50.451	ug/l	99

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

