

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027189.D
 Acq On : 26 Sep 2018 20:07
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:23 PM

Quant Time: Sep 27 05:38:57 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	74366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	125714	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	122568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66864	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	82325	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	
35) Dibromofluoromethane	4.88	113	58602	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
50) Toluene-d8	7.57	98	220180	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
62) 4-Bromofluorobenzene	10.31	95	80217	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	40666	41.883	ug/l 99
3) Chloromethane	1.33	50	64139	38.314	ug/l 99
4) Vinyl Chloride	1.40	62	67401	43.134	ug/l 98
5) Bromomethane	1.61	94	38213	42.943	ug/l 98
6) Chloroethane	1.69	64	45533	45.605	ug/l 97
7) Trichlorofluoromethane	1.88	101	80386	45.294	ug/l 99
8) Diethyl Ether	2.10	74	40687	47.629	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	51732	47.406	ug/l 99
10) Methyl Iodide	2.41	142	29730	21.967	ug/l 98
11) Tert butyl alcohol	2.83	59	96247	280.552	ug/l 97
12) 1,1-Dichloroethene	2.28	96	46900	45.662	ug/l 98
13) Acrolein	2.19	56	55784	301.643	ug/l 100
14) Allyl chloride	2.59	41	113236	54.356	ug/l 96
15) Acrylonitrile	2.94	53	248240	287.098	ug/l 99
16) Acetone	2.32	43	221338	280.412	ug/l 98
17) Carbon Disulfide	2.48	76	132690m	39.657	ug/l
18) Methyl Acetate	2.62	43	133387	62.613	ug/l 98
19) Methyl tert-butyl Ether	3.00	73	209496	55.505	ug/l 99
20) Methylene Chloride	2.70	84	63132	47.098	ug/l 96
21) trans-1,2-Dichloroethene	2.98	96	52661	48.022	ug/l 99
22) Diisopropyl ether	3.58	45	260625	58.491	ug/l 95
23) Vinyl Acetate	3.52	43	1111704	292.690	ug/l 99
24) 1,1-Dichloroethane	3.45	63	129243	52.664	ug/l 99
25) 2-Butanone	4.26	43	361286	287.227	ug/l 99
26) 2,2-Dichloropropane	4.23	77	92938	48.560	ug/l 99
27) cis-1,2-Dichloroethene	4.22	96	63383	51.180	ug/l 96
28) Bromochloromethane	4.55	49	70353	59.471	ug/l 95
29) Tetrahydrofuran	4.64	42	230416	302.817	ug/l 96
30) Chloroform	4.67	83	118139	51.861	ug/l 98
31) Cyclohexane	5.00	56	103930	46.549	ug/l 97
32) 1,1,1-Trichloroethane	4.92	97	94896	52.175	ug/l 98
36) 1,1-Dichloropropene	5.14	75	81450	48.546	ug/l 99
37) Ethyl Acetate	4.38	43	129950	57.214	ug/l 99
38) Carbon Tetrachloride	5.13	117	78425	49.119	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	90667	49.727	ug/l	98
40) Benzene	5.39	78	250571	49.127	ug/l	99
41) Methacrylonitrile	4.54	41	74098	62.817	ug/l	97
42) 1,2-Dichloroethane	5.40	62	101856	52.856	ug/l	99
43) Isopropyl Acetate	5.55	43	198607	59.959	ug/l	98
44) Trichloroethene	6.19	130	53891	49.631	ug/l	99
45) 1,2-Dichloropropane	6.43	63	77891	53.596	ug/l	99
46) Dibromomethane	6.56	93	45042	51.317	ug/l	98
47) Bromodichloromethane	6.76	83	94098	53.019	ug/l	98
48) Methyl methacrylate	6.62	41	99002	54.814	ug/l	99
49) 1,4-Dioxane	6.61	88	33874	945.992	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	691732	310.501	ug/l	99
52) Toluene	7.64	92	152831	52.275	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	106308	55.750	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	114832	54.769	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	65212	52.641	ug/l	98
56) Ethyl methacrylate	8.02	69	113341	52.611	ug/l	97
57) 1,3-Dichloropropane	8.24	76	124737	54.138	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	325971	266.887	ug/l	99
59) 2-Hexanone	8.36	43	532423	305.311	ug/l	99
60) Dibromochloromethane	8.48	129	65983	54.301	ug/l	98
61) 1,2-Dibromoethane	8.59	107	67133	52.084	ug/l	99
64) Tetrachloroethene	8.23	164	45343	48.009	ug/l	97
65) Chlorobenzene	9.12	112	159914	49.206	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	60301	53.870	ug/l	98
67) Ethyl Benzene	9.25	91	287281	53.757	ug/l	100
68) m/p-Xylenes	9.38	106	214054	98.919	ug/l	98
69) o-Xylene	9.78	106	104378	55.125	ug/l	99
70) Styrene	9.79	104	176478	49.920	ug/l	100
71) Bromoform	9.96	173	48745	56.312	ug/l #	98
73) Isopropylbenzene	10.17	105	283638	55.765	ug/l	100
74) N-amyl acetate	10.02	43	180475	61.299	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	120695	51.611	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	115294m	56.758	ug/l	
77) Bromobenzene	10.45	156	64327	51.755	ug/l	94
78) n-propylbenzene	10.59	91	344011	57.161	ug/l	99
79) 2-Chlorotoluene	10.66	91	206870	54.724	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	238636	56.837	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	31327m	49.353	ug/l	
82) 4-Chlorotoluene	10.77	91	236671	55.836	ug/l	98
83) tert-Butylbenzene	11.10	119	227981	54.922	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	243692	57.032	ug/l	99
85) sec-Butylbenzene	11.32	105	284728	56.192	ug/l	100
86) p-Isopropyltoluene	11.48	119	243981	51.290	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	120809	52.232	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	121591	48.235	ug/l	98
89) n-Butylbenzene	11.89	91	229273	49.756	ug/l	99
90) Hexachloroethane	12.15	117	46173	50.110	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	123367	50.212	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27395	57.423	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	78657	55.555	ug/l	100
94) Hexachlorobutadiene	13.69	225	38900	51.926	ug/l	99
95) Naphthalene	13.74	128	287604	51.889	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	84452	55.622	ug/l	100

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

