

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027139.D
 Acq On : 25 Sep 2018 20:17
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:15 PM

Quant Time: Sep 26 06:15:41 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	80974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	136076	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	133287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74589	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84019	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	4.88	113	58060	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	7.57	98	225667	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	10.31	95	81094	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	46752	44.221	ug/l	98
3) Chloromethane	1.33	50	81706	44.825	ug/l	100
4) Vinyl Chloride	1.40	62	76531	44.980	ug/l	99
5) Bromomethane	1.61	94	40308	41.601	ug/l	99
6) Chloroethane	1.69	64	49284	45.334	ug/l	98
7) Trichlorofluoromethane	1.88	101	90339	46.748	ug/l	99
8) Diethyl Ether	2.10	74	43936	47.235	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	55236	46.487	ug/l	98
10) Methyl Iodide	2.41	142	37266	25.288	ug/l	98
11) Tert butyl alcohol	2.83	59	94582	253.200	ug/l	100
12) 1,1-Dichloroethene	2.28	96	50199	44.886	ug/l	95
13) Acrolein	2.19	56	34904	173.335	ug/l	99
14) Allyl chloride	2.59	41	118602	52.286	ug/l	97
15) Acrylonitrile	2.94	53	241716	256.740	ug/l	98
16) Acetone	2.32	43	222117	257.042	ug/l	98
17) Carbon Disulfide	2.48	76	153121	42.028	ug/l	100
18) Methyl Acetate	2.61	43	129654	55.894	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	215335	52.396	ug/l	99
20) Methylene Chloride	2.70	84	67738	46.410	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	56555	47.364	ug/l	96
22) Diisopropyl ether	3.57	45	271066	55.870	ug/l	98
23) Vinyl Acetate	3.52	43	1137280	274.989	ug/l	99
24) 1,1-Dichloroethane	3.45	63	135883	50.851	ug/l	99
25) 2-Butanone	4.26	43	352638	257.473	ug/l	98
26) 2,2-Dichloropropane	4.23	77	98376	47.207	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	66634	49.415	ug/l	97
28) Bromochloromethane	4.55	49	73003	56.675	ug/l	95
29) Tetrahydrofuran	4.64	42	228284	275.532	ug/l	95
30) Chloroform	4.67	83	121986	49.180	ug/l	100
31) Cyclohexane	5.00	56	118917	48.944	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	99998	50.494	ug/l	99
36) 1,1-Dichloropropene	5.14	75	89001	49.007	ug/l	98
37) Ethyl Acetate	4.38	43	124937	50.818	ug/l	99
38) Carbon Tetrachloride	5.13	117	84193	48.716	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	100063	50.701	ug/l	97
40) Benzene	5.39	78	270370	48.972	ug/l	100
41) Methacrylonitrile	4.54	41	71809	56.241	ug/l	98
42) 1,2-Dichloroethane	5.40	62	105666	50.658	ug/l	99
43) Isopropyl Acetate	5.55	43	195725	54.589	ug/l	98
44) Trichloroethene	6.19	130	56992	48.490	ug/l	99
45) 1,2-Dichloropropane	6.43	63	81910	52.069	ug/l	99
46) Dibromomethane	6.56	93	45390	47.776	ug/l	99
47) Bromodichloromethane	6.76	83	94637	49.263	ug/l	98
48) Methyl methacrylate	6.62	41	100985	51.713	ug/l	96
49) 1,4-Dioxane	6.61	88	39450	1017.949	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	671850	278.612	ug/l	98
52) Toluene	7.64	92	161014	50.880	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	107875	52.264	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	118466	52.200	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	67582	50.400	ug/l	99
56) Ethyl methacrylate	8.02	69	111923	48.189	ug/l	97
57) 1,3-Dichloropropane	8.24	76	127918	51.291	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	327392	247.990	ug/l	98
59) 2-Hexanone	8.36	43	507038	268.614	ug/l	99
60) Dibromochloromethane	8.48	129	66966	50.914	ug/l	97
61) 1,2-Dibromoethane	8.59	107	68958	49.426	ug/l	99
64) Tetrachloroethene	8.23	164	48008	46.743	ug/l	98
65) Chlorobenzene	9.12	112	168128	47.573	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	61158	50.242	ug/l	99
67) Ethyl Benzene	9.25	91	303259	52.183	ug/l	100
68) m/p-Xylenes	9.38	106	227182	96.579	ug/l	98
69) o-Xylene	9.78	106	109133	53.001	ug/l	99
70) Styrene	9.79	104	183304	47.762	ug/l	98
71) Bromoform	9.96	173	47473	50.432	ug/l #	98
73) Isopropylbenzene	10.17	105	299009	52.699	ug/l	100
74) N-amyl acetate	10.02	43	175199	53.344	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	118757	45.523	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	109028m	48.115	ug/l	
77) Bromobenzene	10.45	156	66880	48.236	ug/l	94
78) n-propylbenzene	10.59	91	370397	55.172	ug/l	99
79) 2-Chlorotoluene	10.66	91	217334	51.538	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	253003	54.018	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	34203m	48.304	ug/l	
82) 4-Chlorotoluene	10.77	91	247799	52.406	ug/l	99
83) tert-Butylbenzene	11.10	119	236586	51.092	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	260039	54.555	ug/l	99
85) sec-Butylbenzene	11.32	105	307929	54.476	ug/l	100
86) p-Isopropyltoluene	11.48	119	259883	49.017	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	126900	49.183	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	127172	45.224	ug/l	99
89) n-Butylbenzene	11.89	91	248778	48.463	ug/l	99
90) Hexachloroethane	12.15	117	49361	48.022	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	125899	45.936	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26563	49.913	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	82990	52.545	ug/l	99
94) Hexachlorobutadiene	13.69	225	41878	50.112	ug/l	98
95) Naphthalene	13.75	128	286299	46.485	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	85974	50.760	ug/l	98

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

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