

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027229.D
 Acq On : 27 Sep 2018 16:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:06:55 PM

Quant Time: Sep 28 04:03:06 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	78582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	125996	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	124380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	76264	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	4.88	113	55443	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
50) Toluene-d8	7.57	98	202123	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	10.31	95	76926	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	58435	56.955	ug/l	98
3) Chloromethane	1.33	50	82013	46.363	ug/l	99
4) Vinyl Chloride	1.40	62	85092	51.533	ug/l	99
5) Bromomethane	1.62	94	57339	60.980	ug/l	99
6) Chloroethane	1.69	64	53079	50.311	ug/l	100
7) Trichlorofluoromethane	1.88	101	95590	50.971	ug/l	97
8) Diethyl Ether	2.10	74	43986	48.728	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	55399	48.043	ug/l	99
10) Methyl Iodide	2.41	142	29044	20.309	ug/l	99
11) Tert butyl alcohol	2.83	59	67882	187.254	ug/l	99
12) 1,1-Dichloroethene	2.28	96	51178	47.154	ug/l	96
13) Acrolein	2.19	56	25549	130.740	ug/l	100
14) Allyl chloride	2.59	41	121012	54.973	ug/l	98
15) Acrylonitrile	2.94	53	234170	256.296	ug/l	99
16) Acetone	2.32	43	214967	256.292	ug/l	99
17) Carbon Disulfide	2.48	76	185641	52.505	ug/l	100
18) Methyl Acetate	2.61	43	124316	55.224	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	213167	53.447	ug/l	100
20) Methylene Chloride	2.70	84	69619	49.151	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	62597	54.020	ug/l	97
22) Diisopropyl ether	3.57	45	265082	56.300	ug/l	99
23) Vinyl Acetate	3.53	43	1140852	284.249	ug/l	99
24) 1,1-Dichloroethane	3.45	63	137660	53.085	ug/l	99
25) 2-Butanone	4.26	43	332286	249.999	ug/l	99
26) 2,2-Dichloropropane	4.23	77	108423	53.611	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	68753	52.538	ug/l	98
28) Bromochloromethane	4.55	49	67105	53.682	ug/l	97
29) Tetrahydrofuran	4.64	42	211921	263.568	ug/l	97
30) Chloroform	4.67	83	124984	51.923	ug/l	98
31) Cyclohexane	5.00	56	125642	53.338	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	102450	53.307	ug/l	98
36) 1,1-Dichloropropene	5.14	75	94527	56.214	ug/l	99
37) Ethyl Acetate	4.38	43	122457	53.794	ug/l	99
38) Carbon Tetrachloride	5.13	117	87501	54.680	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	108326	59.279	ug/l	98
40) Benzene	5.39	78	281004	54.971	ug/l	99
41) Methacrylonitrile	4.54	41	68354	57.818	ug/l	98
42) 1,2-Dichloroethane	5.40	62	108244	56.045	ug/l	100
43) Isopropyl Acetate	5.55	43	186415	56.152	ug/l	98
44) Trichloroethene	6.19	130	60171	55.290	ug/l	100
45) 1,2-Dichloropropane	6.43	63	84014	57.680	ug/l	96
46) Dibromomethane	6.56	93	49088	55.802	ug/l	97
47) Bromodichloromethane	6.76	83	98500	55.375	ug/l	99
48) Methyl methacrylate	6.62	41	95408	52.745	ug/l	99
49) 1,4-Dioxane	6.61	88	21027	585.243	ug/l #	93
51) 4-Methyl-2-Pentanone	7.46	43	640451	286.839	ug/l	99
52) Toluene	7.64	92	169870	57.973	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	111003	58.082	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	120967	57.566	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	68457	55.137	ug/l	99
56) Ethyl methacrylate	8.02	69	111060	51.485	ug/l	98
57) 1,3-Dichloropropane	8.24	76	128970	55.850	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	302024	247.095	ug/l	99
59) 2-Hexanone	8.36	43	485211	277.616	ug/l	99
60) Dibromochloromethane	8.48	129	68022	55.854	ug/l	97
61) 1,2-Dibromoethane	8.58	107	71682	55.489	ug/l	99
64) Tetrachloroethene	8.23	164	52141	54.402	ug/l	98
65) Chlorobenzene	9.12	112	173958	52.747	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	62750	55.241	ug/l	99
67) Ethyl Benzene	9.25	91	311051	57.357	ug/l	99
68) m/p-Xylenes	9.38	106	240436	109.332	ug/l	99
69) o-Xylene	9.78	106	111730	58.148	ug/l	99
70) Styrene	9.79	104	190741	53.051	ug/l	99
71) Bromoform	9.96	173	49801	56.694	ug/l #	99
73) Isopropylbenzene	10.17	105	306319	56.217	ug/l	100
74) N-amyl acetate	10.02	43	169809	53.838	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	118901	47.461	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	108071m	49.662	ug/l	
77) Bromobenzene	10.45	156	69740	52.376	ug/l	97
78) n-propylbenzene	10.59	91	380059	58.949	ug/l	100
79) 2-Chlorotoluene	10.66	91	222465	54.933	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	259582	57.711	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	32206m	47.362	ug/l	
82) 4-Chlorotoluene	10.77	91	261332	57.551	ug/l	99
83) tert-Butylbenzene	11.10	119	237510	53.410	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	267273	58.388	ug/l	99
85) sec-Butylbenzene	11.32	105	307364	56.622	ug/l	100
86) p-Isopropyltoluene	11.48	119	268772	52.715	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	131220	52.958	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	133946	49.600	ug/l	99
89) n-Butylbenzene	11.89	91	253063	51.192	ug/l	99
90) Hexachloroethane	12.15	117	49355	49.999	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	128667	48.884	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26005	50.882	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	84693	55.838	ug/l	99
94) Hexachlorobutadiene	13.69	225	40643	50.642	ug/l	98
95) Naphthalene	13.74	128	279817	47.279	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	86916	53.435	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092818\
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Operator : MD/SY
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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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