

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092418\
 Data File : VU027121.D
 Acq On : 24 Sep 2018 20:00
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:34:16 AM

Quant Time: Sep 25 03:00:15 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	80184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	137011	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73988	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84421	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	4.88	113	60114	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	7.57	98	230764	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	10.31	95	83456	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	47510	45.381	ug/l	98
3) Chloromethane	1.33	50	81279	45.030	ug/l	99
4) Vinyl Chloride	1.40	62	79824	47.377	ug/l	98
5) Bromomethane	1.62	94	32097	33.453	ug/l	98
6) Chloroethane	1.69	64	51716	48.040	ug/l	98
7) Trichlorofluoromethane	1.88	101	93290	48.751	ug/l	97
8) Diethyl Ether	2.10	74	45570	49.474	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	54783	46.560	ug/l	99
10) Methyl Iodide	2.41	142	40292	27.611	ug/l	100
11) Tert butyl alcohol	2.83	59	96637	261.250	ug/l	99
12) 1,1-Dichloroethene	2.28	96	52037	46.988	ug/l	96
13) Acrolein	2.20	56	45975	230.564	ug/l	99
14) Allyl chloride	2.59	41	125712	55.967	ug/l	97
15) Acrylonitrile	2.94	53	249249	267.349	ug/l	99
16) Acetone	2.32	43	221906	259.486	ug/l	98
17) Carbon Disulfide	2.48	76	167835	46.521	ug/l	100
18) Methyl Acetate	2.62	43	129089	56.199	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	223509	54.921	ug/l	100
20) Methylene Chloride	2.70	84	68939	47.698	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	59787	50.564	ug/l	98
22) Diisopropyl ether	3.58	45	275515	57.346	ug/l	96
23) Vinyl Acetate	3.53	43	1201386	293.351	ug/l	99
24) 1,1-Dichloroethane	3.45	63	138209	52.232	ug/l	99
25) 2-Butanone	4.26	43	357789	263.808	ug/l	99
26) 2,2-Dichloropropane	4.23	77	100887	48.888	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	70232	52.596	ug/l	97
28) Bromochloromethane	4.55	49	72910	57.160	ug/l	95
29) Tetrahydrofuran	4.64	42	232488	283.370	ug/l	96
30) Chloroform	4.67	83	125302	51.015	ug/l	99
31) Cyclohexane	5.00	56	123674	51.433	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	103119	52.583	ug/l	99
36) 1,1-Dichloropropene	5.14	75	92219	50.432	ug/l	99
37) Ethyl Acetate	4.38	43	131322	53.051	ug/l	99
38) Carbon Tetrachloride	5.14	117	85578	49.179	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	106664	53.677	ug/l	97
40) Benzene	5.39	78	278422	50.087	ug/l	100
41) Methacrylonitrile	4.54	41	75277	58.555	ug/l	98
42) 1,2-Dichloroethane	5.40	62	109330	52.057	ug/l	99
43) Isopropyl Acetate	5.55	43	202573	56.113	ug/l	99
44) Trichloroethene	6.19	130	59777	50.512	ug/l	95
45) 1,2-Dichloropropane	6.43	63	83173	52.512	ug/l	98
46) Dibromomethane	6.56	93	48084	50.266	ug/l	99
47) Bromodichloromethane	6.76	83	99790	51.590	ug/l	99
48) Methyl methacrylate	6.62	41	103656	52.699	ug/l	98
49) 1,4-Dioxane	6.61	88	36995	947.968	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	696859	287.011	ug/l	99
52) Toluene	7.64	92	168497	52.881	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	114825	55.252	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	121623	53.225	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	68653	50.849	ug/l	99
56) Ethyl methacrylate	8.02	69	118808	50.685	ug/l	96
57) 1,3-Dichloropropane	8.24	76	134128	53.414	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	347555	261.202	ug/l	98
59) 2-Hexanone	8.36	43	527544	277.570	ug/l	100
60) Dibromochloromethane	8.48	129	68932	52.051	ug/l	98
61) 1,2-Dibromoethane	8.59	107	72071	51.305	ug/l	99
64) Tetrachloroethene	8.23	164	49570	47.726	ug/l	97
65) Chlorobenzene	9.12	112	173765	48.621	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	63459	51.552	ug/l	98
67) Ethyl Benzene	9.25	91	318323	54.165	ug/l	100
68) m/p-Xylenes	9.38	106	234902	98.716	ug/l	98
69) o-Xylene	9.78	106	113173	54.352	ug/l	97
70) Styrene	9.79	104	192445	49.517	ug/l	100
71) Bromoform	9.96	173	49681	52.190	ug/l #	98
73) Isopropylbenzene	10.17	105	311256	55.303	ug/l	99
74) N-amyl acetate	10.02	43	189760	58.247	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	123500	47.726	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	113043m	50.292	ug/l	
77) Bromobenzene	10.45	156	69518	50.546	ug/l	95
78) n-propylbenzene	10.59	91	378860	56.891	ug/l	99
79) 2-Chlorotoluene	10.66	91	222942	53.297	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	259885	55.938	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	33040m	47.040	ug/l	
82) 4-Chlorotoluene	10.77	91	255109	54.391	ug/l	99
83) tert-Butylbenzene	11.10	119	250041	54.437	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	263307	55.690	ug/l	100
85) sec-Butylbenzene	11.32	105	315944	56.348	ug/l	99
86) p-Isopropyltoluene	11.48	119	269484	51.198	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	130658	51.051	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	131217	47.041	ug/l	99
89) n-Butylbenzene	11.89	91	254152	49.841	ug/l	100
90) Hexachloroethane	12.15	117	49692	48.736	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	130933	48.161	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27257	51.633	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	84794	54.123	ug/l	99
94) Hexachlorobutadiene	13.69	225	41259	49.772	ug/l	99
95) Naphthalene	13.74	128	314230	51.255	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	90380	53.795	ug/l	98

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

