

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024557.D
 Acq On : 14 Jun 2018 22:17
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/15/2018 3:29:46 PM

Quant Time: Jun 15 05:20:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	170240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	271901	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	257751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	126150	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	
35) Dibromofluoromethane	4.89	113	112051	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	7.57	98	409225	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	10.31	95	160888	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	90109	42.287	ug/l	100
3) Chloromethane	1.33	50	100259	46.054	ug/l	100
4) Vinyl Chloride	1.40	62	108940	48.523	ug/l	100
5) Bromomethane	1.62	94	59220	54.565	ug/l	99
6) Chloroethane	1.70	64	66853	53.360	ug/l	99
7) Trichlorofluoromethane	1.89	101	162408	47.401	ug/l	98
8) Diethyl Ether	2.10	74	61231	52.612	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	92776	43.647	ug/l	97
10) Methyl Iodide	2.41	142	80007	45.060	ug/l	98
11) Tert butyl alcohol	2.82	59	133502	197.509	ug/l	99
12) 1,1-Dichloroethene	2.28	96	90537	46.706	ug/l	90
13) Acrolein	2.19	56	71267	200.782	ug/l	98
14) Allyl chloride	2.60	41	153732	42.713	ug/l	95
15) Acrylonitrile	2.94	53	316292	240.509	ug/l	97
16) Acetone	2.32	43	259216	173.590	ug/l	94
17) Carbon Disulfide	2.48	76	278268	44.832	ug/l	98
18) Methyl Acetate	2.62	43	152318	47.581	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	335731	46.076	ug/l	97
20) Methylene Chloride	2.71	84	105470	45.014	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	99920	46.801	ug/l	96
22) Diisopropyl ether	3.57	45	338118	47.390	ug/l	94
23) Vinyl Acetate	3.53	43	1502988	235.162	ug/l	99
24) 1,1-Dichloroethane	3.45	63	190255	46.354	ug/l	99
25) 2-Butanone	4.26	43	448320	223.513	ug/l	97
26) 2,2-Dichloropropane	4.23	77	143784	36.893	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	118631	48.332	ug/l	93
28) Bromochloromethane	4.55	49	90633	50.133	ug/l	89
29) Tetrahydrofuran	4.64	42	291221	234.455	ug/l	96
30) Chloroform	4.68	83	193482	46.573	ug/l	99
31) Cyclohexane	5.00	56	176386	48.327	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	172674	44.948	ug/l	95
36) 1,1-Dichloropropene	5.14	75	143493	44.911	ug/l	97
37) Ethyl Acetate	4.38	43	170222	48.881	ug/l	97
38) Carbon Tetrachloride	5.14	117	158396	45.082	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	174191	43.688	ug/l	96
40) Benzene	5.39	78	431507	47.397	ug/l	100
41) Methacrylonitrile	4.54	41	93761	49.937	ug/l	97
42) 1,2-Dichloroethane	5.41	62	153535	44.279	ug/l	97
43) Isopropyl Acetate	5.55	43	281032	46.687	ug/l	98
44) Trichloroethene	6.19	130	117951	45.523	ug/l	96
45) 1,2-Dichloropropane	6.44	63	116974	48.153	ug/l	99
46) Dibromomethane	6.56	93	80501	47.179	ug/l	95
47) Bromodichloromethane	6.76	83	156713	46.123	ug/l	99
48) Methyl methacrylate	6.63	41	135465	46.216	ug/l	98
49) 1,4-Dioxane	6.61	88	50319	877.839	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	905129	239.343	ug/l	99
52) Toluene	7.64	92	272153	46.464	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	175364	45.959	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	184537	45.387	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	112149	47.103	ug/l	99
56) Ethyl methacrylate	8.02	69	188281	47.247	ug/l	98
57) 1,3-Dichloropropane	8.25	76	188895	47.031	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	394710	258.540	ug/l	96
59) 2-Hexanone	8.36	43	707909	229.289	ug/l	99
60) Dibromochloromethane	8.48	129	135624	45.680	ug/l	99
61) 1,2-Dibromoethane	8.59	107	125244	47.261	ug/l	98
64) Tetrachloroethene	8.23	164	108826	44.418	ug/l	97
65) Chlorobenzene	9.12	112	315040	47.845	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	119040	47.585	ug/l	99
67) Ethyl Benzene	9.25	91	535781	46.415	ug/l	97
68) m/p-Xylenes	9.38	106	421285	95.042	ug/l	96
69) o-Xylene	9.78	106	207471	47.294	ug/l	94
70) Styrene	9.80	104	347153	48.155	ug/l	99
71) Bromoform	9.96	173	111908	47.064	ug/l #	99
73) Isopropylbenzene	10.17	105	549779	45.782	ug/l	98
74) N-amyl acetate	10.01	43	268886	47.075	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	192870	47.929	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	158961m	46.161	ug/l	
77) Bromobenzene	10.45	156	141100	46.412	ug/l	97
78) n-propylbenzene	10.59	91	651215	46.035	ug/l	97
79) 2-Chlorotoluene	10.66	91	383992	46.031	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	474022	45.542	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	63683m	42.801	ug/l	
82) 4-Chlorotoluene	10.78	91	453081	46.664	ug/l	99
83) tert-Butylbenzene	11.10	119	468049	46.748	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	486042	45.822	ug/l	98
85) sec-Butylbenzene	11.33	105	579284	46.223	ug/l	98
86) p-Isopropyltoluene	11.48	119	512681	45.676	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	263127	46.848	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	265700	47.000	ug/l	99
89) n-Butylbenzene	11.89	91	474461	47.612	ug/l	97
90) Hexachloroethane	12.15	117	98807	45.126	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	263032	46.755	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49561	44.635	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	184366	53.069	ug/l	100
94) Hexachlorobutadiene	13.70	225	88453	45.236	ug/l	100
95) Naphthalene	13.74	128	558735	48.601	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	186389	53.843	ug/l	99

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

