

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062718\
 Data File : VU024953.D
 Acq On : 27 Jun 2018 04:47
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:37:00 PM

Quant Time: Jun 27 06:36:28 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	202274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	302263	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	176721	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	143334	43.41	ug/l	0.00
Spiked Amount 50.000			Recovery =	86.82%		
35) Dibromofluoromethane	4.89	113	116701	46.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.04%		
50) Toluene-d8	7.57	98	403195	44.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	88.12%		
62) 4-Bromofluorobenzene	10.31	95	164843	45.37	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.74%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	102090	40.32	ug/l	99
3) Chloromethane	1.33	50	114065	44.10	ug/l	99
4) Vinyl Chloride	1.40	62	123702	46.37	ug/l	99
5) Bromomethane	1.62	94	68190	52.88	ug/l	100
6) Chloroethane	1.69	64	79214	53.21	ug/l	99
7) Trichlorofluoromethane	1.89	101	183798	45.15	ug/l	99
8) Diethyl Ether	2.10	74	75259	54.49	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.29	101	117620	46.57	ug/l	95
10) Methyl Iodide	2.41	142	126115	58.05	ug/l	98
11) Tert butyl alcohol	2.83	59	182419	227.14	ug/l	99
12) 1,1-Dichloroethene	2.28	96	110076	47.79	ug/l	91
13) Acrolein	2.19	56	46215	109.58	ug/l	98
14) Allyl chloride	2.59	41	184149	43.06	ug/l	95
15) Acrylonitrile	2.93	53	372142	238.16	ug/l	99
16) Acetone	2.32	43	336501	189.66	ug/l	98
17) Carbon Disulfide	2.48	76	274091	37.17	ug/l	98
18) Methyl Acetate	2.62	43	209665	55.12	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	431263	49.81	ug/l	95
20) Methylene Chloride	2.70	84	134339	48.26	ug/l	94
21) trans-1,2-Dichloroethene	2.99	96	115676	45.60	ug/l	95
22) Diisopropyl ether	3.57	45	404016	47.66	ug/l	97
23) Vinyl Acetate	3.53	43	1658827	218.44	ug/l	99
24) 1,1-Dichloroethane	3.45	63	231659	47.50	ug/l	99
25) 2-Butanone	4.26	43	522455	219.22	ug/l	95
26) 2,2-Dichloropropane	4.23	77	167284	36.12	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	139189	47.73	ug/l	94
28) Bromochloromethane	4.55	49	97314	45.30	ug/l	83
29) Tetrahydrofuran	4.63	42	336007	227.67	ug/l	96
30) Chloroform	4.68	83	239268	48.47	ug/l	98
31) Cyclohexane	5.00	56	196185	45.11	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	219846	48.16	ug/l	95
36) 1,1-Dichloropropene	5.14	75	165407	46.57	ug/l	96
37) Ethyl Acetate	4.38	43	193501	49.98	ug/l #	96
38) Carbon Tetrachloride	5.14	117	193274	49.48	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	200656	45.27	ug/l	95
40) Benzene	5.39	78	499424	49.35	ug/l	99
41) Methacrylonitrile	4.54	41	108590	52.03	ug/l	98
42) 1,2-Dichloroethane	5.41	62	194920	50.57	ug/l	99
43) Isopropyl Acetate	5.55	43	310805	46.45	ug/l	97
44) Trichloroethene	6.19	130	140016	48.61	ug/l	97
45) 1,2-Dichloropropane	6.44	63	132428	49.04	ug/l	97
46) Dibromomethane	6.56	93	95059	50.11	ug/l	93
47) Bromodichloromethane	6.76	83	181069	47.94	ug/l	99
48) Methyl methacrylate	6.62	41	157914	48.46	ug/l	99
49) 1,4-Dioxane	6.62	88	76567	1201.57	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	1004995	239.06	ug/l	97
52) Toluene	7.64	92	318633	48.94	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	195148	46.01	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	204676	45.28	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	133837	50.57	ug/l	97
56) Ethyl methacrylate	8.02	69	216745	48.93	ug/l	98
57) 1,3-Dichloropropane	8.25	76	223835	50.13	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	117669	69.33	ug/l	95
59) 2-Hexanone	8.36	43	800262	233.16	ug/l	98
60) Dibromochloromethane	8.48	129	153251	46.43	ug/l	100
61) 1,2-Dibromoethane	8.59	107	143938	48.86	ug/l	97
64) Tetrachloroethene	8.23	164	136459	50.29	ug/l	98
65) Chlorobenzene	9.12	112	360926	49.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	141165	50.95	ug/l	98
67) Ethyl Benzene	9.25	91	626220	48.99	ug/l	98
68) m/p-Xylenes	9.38	106	490138	99.85	ug/l	96
69) o-Xylene	9.78	106	243454	50.11	ug/l	96
70) Styrene	9.80	104	405466	50.79	ug/l	99
71) Bromoform	9.96	173	121359	46.09	ug/l #	100
73) Isopropylbenzene	10.17	105	660151	48.66	ug/l	99
74) N-amyl acetate	10.01	43	282621	43.79	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	222870	49.02	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	188260m	48.39	ug/l	
77) Bromobenzene	10.45	156	172863	50.33	ug/l	92
78) n-propylbenzene	10.59	91	749303	46.88	ug/l	97
79) 2-Chlorotoluene	10.66	91	450548	47.80	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	569412	48.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	66538m	39.58	ug/l	
82) 4-Chlorotoluene	10.78	91	521756	47.56	ug/l	99
83) tert-Butylbenzene	11.10	119	571497	50.52	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	583853	48.72	ug/l	100
85) sec-Butylbenzene	11.33	105	690569	48.77	ug/l	98
86) p-Isopropyltoluene	11.48	119	615746	48.55	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	314708	49.59	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	317716	49.74	ug/l	99
89) n-Butylbenzene	11.89	91	516968	45.92	ug/l	96
90) Hexachloroethane	12.15	117	107082	43.28	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	331136	52.10	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	59178	47.17	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	230315	58.68	ug/l	99
94) Hexachlorobutadiene	13.70	225	114499	51.83	ug/l	100
95) Naphthalene	13.74	128	759729	58.35	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	243167	62.17	ug/l	98

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

