

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073018\
 Data File : VU025729.D
 Acq On : 30 Jul 2018 17:48
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 2:17:11 PM

Quant Time: Jul 31 04:32:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 28 02:19:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	171583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	269474	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	260449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166840	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	137388	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.78%		
35) Dibromofluoromethane	4.89	113	113652	48.49	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.98%		
50) Toluene-d8	7.57	98	406304	49.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.08%		
62) 4-Bromofluorobenzene	10.31	95	158461	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.56%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	145477	56.10	ug/l	100
3) Chloromethane	1.33	50	115214	46.48	ug/l	99
4) Vinyl Chloride	1.40	62	121472	52.07	ug/l	100
5) Bromomethane	1.62	94	49105	43.10	ug/l	96
6) Chloroethane	1.70	64	69867	51.22	ug/l	100
7) Trichlorofluoromethane	1.89	101	174833	51.84	ug/l	100
8) Diethyl Ether	2.10	74	61581	50.46	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	101991	52.26	ug/l	99
10) Methyl Iodide	2.41	142	56644	34.36	ug/l	99
11) Tert butyl alcohol	2.83	59	143670	245.46	ug/l	99
12) 1,1-Dichloroethene	2.28	96	95084	51.61	ug/l	95
13) Acrolein	2.19	56	40292	189.59	ug/l	99
14) Allyl chloride	2.59	41	162835	49.18	ug/l	97
15) Acrylonitrile	2.94	53	312933	267.78	ug/l	99
16) Acetone	2.32	43	286144	219.53	ug/l	97
17) Carbon Disulfide	2.48	76	296277	49.69	ug/l	99
18) Methyl Acetate	2.62	43	184980	58.96	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	361837	54.20	ug/l	99
20) Methylene Chloride	2.70	84	114759	49.68	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	109584	51.46	ug/l	98
22) Diisopropyl ether	3.57	45	353159	54.13	ug/l	95
23) Vinyl Acetate	3.53	43	1534416	269.87	ug/l	100
24) 1,1-Dichloroethane	3.45	63	208518	53.24	ug/l	99
25) 2-Butanone	4.26	43	455728	256.85	ug/l	99
26) 2,2-Dichloropropane	4.23	77	174524	49.03	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	125426	52.24	ug/l	98
28) Bromochloromethane	4.55	49	90978	51.96	ug/l	99
29) Tetrahydrofuran	4.64	42	285112	268.21	ug/l	99
30) Chloroform	4.68	83	215477	52.13	ug/l	98
31) Cyclohexane	5.00	56	175065	51.43	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	196249	52.73	ug/l	99
36) 1,1-Dichloropropene	5.14	75	161246	51.20	ug/l	99
37) Ethyl Acetate	4.38	43	170302	52.15	ug/l	99
38) Carbon Tetrachloride	5.14	117	179322	50.27	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	173813	48.17	ug/l	98
40) Benzene	5.39	78	454408	49.36	ug/l	98
41) Methacrylonitrile	4.54	41	94745	52.24	ug/l	99
42) 1,2-Dichloroethane	5.41	62	177150	49.98	ug/l	99
43) Isopropyl Acetate	5.55	43	276692	51.28	ug/l	99
44) Trichloroethene	6.19	130	128190	50.00	ug/l	99
45) 1,2-Dichloropropane	6.44	63	120501	50.19	ug/l	100
46) Dibromomethane	6.56	93	87374	50.23	ug/l	100
47) Bromodichloromethane	6.76	83	169527	51.09	ug/l	97
48) Methyl methacrylate	6.63	41	142415	53.85	ug/l	97
49) 1,4-Dioxane	6.62	88	57552	894.25	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	881563	260.95	ug/l	100
52) Toluene	7.64	92	294727	51.54	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	195228	52.40	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	199156	52.04	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	119366	50.22	ug/l	100
56) Ethyl methacrylate	8.02	69	182370	53.71	ug/l	96
57) 1,3-Dichloropropane	8.25	76	203588	50.94	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	381820	248.35	ug/l	99
59) 2-Hexanone	8.36	43	688372	259.94	ug/l	98
60) Dibromochloromethane	8.48	129	143245	51.11	ug/l	99
61) 1,2-Dibromoethane	8.59	107	134497	50.89	ug/l	100
64) Tetrachloroethene	8.23	164	111818	48.78	ug/l	98
65) Chlorobenzene	9.12	112	338475	50.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	129459	53.29	ug/l	99
67) Ethyl Benzene	9.25	91	573435	51.55	ug/l	100
68) m/p-Xylenes	9.38	106	447371	104.76	ug/l	100
69) o-Xylene	9.78	106	218265	52.30	ug/l	100
70) Styrene	9.80	104	359524	53.33	ug/l	99
71) Bromoform	9.96	173	111070	52.73	ug/l #	97
73) Isopropylbenzene	10.17	105	580856	51.01	ug/l	100
74) N-amyl acetate	10.01	43	253280	54.48	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	197907	50.26	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	178313m	49.50	ug/l	
77) Bromobenzene	10.45	156	156545	49.84	ug/l	99
78) n-propylbenzene	10.59	91	685599	51.58	ug/l	100
79) 2-Chlorotoluene	10.66	91	403628	51.85	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	503249	52.04	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	64835m	48.78	ug/l	
82) 4-Chlorotoluene	10.77	91	474938	51.76	ug/l	99
83) tert-Butylbenzene	11.10	119	491028	51.10	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	516167	52.67	ug/l	98
85) sec-Butylbenzene	11.33	105	585954	49.95	ug/l	99
86) p-Isopropyltoluene	11.48	119	532521	50.69	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	290801	49.88	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	297840	49.01	ug/l	99
89) n-Butylbenzene	11.89	91	473366	48.83	ug/l	100
90) Hexachloroethane	12.15	117	92522	49.54	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	290454	50.83	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49198	52.70	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	205004	53.15	ug/l	99
94) Hexachlorobutadiene	13.70	225	84374	41.50	ug/l	98
95) Naphthalene	13.74	128	645469	52.05	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	204325	53.11	ug/l	99

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

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