

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062718\
 Data File : VU024981.D
 Acq On : 27 Jun 2018 21:43
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:37:04 PM

Quant Time: Jun 28 05:03:17 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	180672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	274350	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	265310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	165896	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	144162	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
35) Dibromofluoromethane	4.89	113	116559	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
50) Toluene-d8	7.57	98	393181	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
62) 4-Bromofluorobenzene	10.31	95	167625	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	97288	43.02	ug/l	99
3) Chloromethane	1.33	50	99663	43.14	ug/l	100
4) Vinyl Chloride	1.40	62	109450	45.94	ug/l	98
5) Bromomethane	1.61	94	64355	55.87	ug/l	99
6) Chloroethane	1.69	64	71430	53.73	ug/l	97
7) Trichlorofluoromethane	1.88	101	183292	50.41	ug/l	98
8) Diethyl Ether	2.10	74	67657	54.86	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	106258	47.10	ug/l	98
10) Methyl Iodide	2.41	142	124415	63.56	ug/l	97
11) Tert butyl alcohol	2.82	59	165888	231.25	ug/l	100
12) 1,1-Dichloroethene	2.28	96	98914	48.08	ug/l	95
13) Acrolein	2.19	56	37047	98.35	ug/l	99
14) Allyl chloride	2.59	41	175509	45.95	ug/l	99
15) Acrylonitrile	2.93	53	342036	245.07	ug/l	99
16) Acetone	2.32	43	317819	200.55	ug/l	98
17) Carbon Disulfide	2.48	76	282134	42.83	ug/l	99
18) Methyl Acetate	2.62	43	197752	58.21	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	396735	51.30	ug/l	96
20) Methylene Chloride	2.70	84	119582	48.09	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	111768	49.33	ug/l	96
22) Diisopropyl ether	3.57	45	382071	50.46	ug/l	95
23) Vinyl Acetate	3.53	43	1624071	239.44	ug/l	99
24) 1,1-Dichloroethane	3.45	63	218461	50.15	ug/l	99
25) 2-Butanone	4.26	43	496870	233.41	ug/l	98
26) 2,2-Dichloropropane	4.23	77	182906	44.22	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	129503	49.71	ug/l	99
28) Bromochloromethane	4.55	49	91278	47.57	ug/l	85
29) Tetrahydrofuran	4.63	42	320765	243.33	ug/l	97
30) Chloroform	4.68	83	231611	52.53	ug/l	99
31) Cyclohexane	5.00	56	201754	52.25	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	213715	52.42	ug/l	96
36) 1,1-Dichloropropene	5.14	75	165020	51.19	ug/l	98
37) Ethyl Acetate	4.38	43	187190	53.27	ug/l	98
38) Carbon Tetrachloride	5.14	117	188389	53.14	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	202303	50.29	ug/l	97
40) Benzene	5.39	78	481228	52.39	ug/l	99
41) Methacrylonitrile	4.54	41	104128	54.96	ug/l	98
42) 1,2-Dichloroethane	5.41	62	199459	57.01	ug/l	99
43) Isopropyl Acetate	5.55	43	299466	49.31	ug/l	99
44) Trichloroethene	6.19	130	136005	52.02	ug/l	97
45) 1,2-Dichloropropane	6.44	63	127518	52.03	ug/l	98
46) Dibromomethane	6.56	93	92899	53.96	ug/l	95
47) Bromodichloromethane	6.76	83	180446	52.63	ug/l	100
48) Methyl methacrylate	6.62	41	156781	53.01	ug/l	98
49) 1,4-Dioxane	6.62	88	70532	1219.48	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	972035	254.74	ug/l	97
52) Toluene	7.64	92	312258	52.84	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	192277	49.94	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	202120	49.27	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	125385	52.19	ug/l	98
56) Ethyl methacrylate	8.02	69	204187	50.78	ug/l	99
57) 1,3-Dichloropropane	8.25	76	217130	53.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	99001	64.27	ug/l	94
59) 2-Hexanone	8.36	43	789361	253.39	ug/l	100
60) Dibromochloromethane	8.48	129	148277	49.50	ug/l	99
61) 1,2-Dibromoethane	8.59	107	139938	52.33	ug/l	98
64) Tetrachloroethene	8.23	164	125551	49.78	ug/l	98
65) Chlorobenzene	9.12	112	358638	52.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	134062	52.06	ug/l	98
67) Ethyl Benzene	9.25	91	622744	52.41	ug/l	99
68) m/p-Xylenes	9.38	106	484096	106.10	ug/l	98
69) o-Xylene	9.78	106	243460	53.92	ug/l	96
70) Styrene	9.80	104	388176	52.31	ug/l	99
71) Bromoform	9.96	173	117992	48.21	ug/l #	99
73) Isopropylbenzene	10.17	105	652211	51.21	ug/l	99
74) N-amyl acetate	10.01	43	280125	46.24	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	218039	51.09	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	199384m	54.59	ug/l	
77) Bromobenzene	10.45	156	166827	51.74	ug/l	94
78) n-propylbenzene	10.59	91	743180	49.53	ug/l	97
79) 2-Chlorotoluene	10.66	91	452006	51.09	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	569339	51.57	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	70394m	44.61	ug/l	
82) 4-Chlorotoluene	10.78	91	516459	50.15	ug/l	99
83) tert-Butylbenzene	11.10	119	563012	53.02	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	579722	51.53	ug/l	99
85) sec-Butylbenzene	11.33	105	677967	51.00	ug/l	98
86) p-Isopropyltoluene	11.48	119	602300	50.59	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	306670	51.48	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	307833	51.34	ug/l	99
89) n-Butylbenzene	11.89	91	492849	46.63	ug/l	98
90) Hexachloroethane	12.15	117	106468	45.84	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	320985	53.79	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	58066	49.30	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	206902	56.15	ug/l	99
94) Hexachlorobutadiene	13.70	225	110489	53.27	ug/l	99
95) Naphthalene	13.74	128	669617	54.83	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	214646	58.46	ug/l	99

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

