

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091418\
 Data File : VU026721.D
 Acq On : 13 Sep 2018 08:41
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 11:34:56 AM

Quant Time: Sep 14 01:00:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	114029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	169721	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	163128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	98849	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	79540	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
35) Dibromofluoromethane	4.88	113	66768	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	7.57	98	244999	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
62) 4-Bromofluorobenzene	10.31	95	90762	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	56511	45.87	ug/l	98
3) Chloromethane	1.33	50	75019	43.58	ug/l	100
4) Vinyl Chloride	1.40	62	80511	45.14	ug/l	99
5) Bromomethane	1.61	94	46247	41.40	ug/l	97
6) Chloroethane	1.69	64	51116	45.03	ug/l	99
7) Trichlorofluoromethane	1.88	101	108070	46.35	ug/l	99
8) Diethyl Ether	2.10	74	46497	45.51	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	65857	47.56	ug/l	99
10) Methyl Iodide	2.41	142	36854	32.99	ug/l	100
11) Tert butyl alcohol	2.83	59	90908	215.61	ug/l	100
12) 1,1-Dichloroethene	2.28	96	61012	46.61	ug/l	97
13) Acrolein	2.19	56	48602	171.05	ug/l	100
14) Allyl chloride	2.59	41	106826	45.31	ug/l	99
15) Acrylonitrile	2.94	53	217408	240.44	ug/l	99
16) Acetone	2.32	43	235114	240.08	ug/l	99
17) Carbon Disulfide	2.48	76	179312	43.05	ug/l	98
18) Methyl Acetate	2.62	43	104906	49.65	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	215442	47.80	ug/l	100
20) Methylene Chloride	2.70	84	73442	46.23	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	64955	47.10	ug/l	96
22) Diisopropyl ether	3.57	45	239369	48.64	ug/l	98
23) Vinyl Acetate	3.52	43	1026307	245.52	ug/l	100
24) 1,1-Dichloroethane	3.44	63	130783	47.11	ug/l	99
25) 2-Butanone	4.26	43	322954	244.81	ug/l	99
26) 2,2-Dichloropropane	4.23	77	111645	48.93	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	75574	47.55	ug/l	99
28) Bromochloromethane	4.55	49	60928	45.90	ug/l	98
29) Tetrahydrofuran	4.64	42	191183	240.38	ug/l	99
30) Chloroform	4.67	83	129309	47.37	ug/l	98
31) Cyclohexane	5.00	56	116305	45.86	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	110090	48.71	ug/l	98
36) 1,1-Dichloropropene	5.14	75	95842	50.30	ug/l	100
37) Ethyl Acetate	4.38	43	108693	47.43	ug/l	100
38) Carbon Tetrachloride	5.13	117	97522	48.44	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	114289	50.51	ug/l	99
40) Benzene	5.39	78	289242	48.88	ug/l	99
41) Methacrylonitrile	4.54	41	61821	47.91	ug/l	99
42) 1,2-Dichloroethane	5.40	62	102567	48.61	ug/l	100
43) Isopropyl Acetate	5.55	43	176433	50.57	ug/l	100
44) Trichloroethene	6.19	130	73124	49.93	ug/l	97
45) 1,2-Dichloropropane	6.43	63	80008	49.73	ug/l	97
46) Dibromomethane	6.56	93	52056	50.14	ug/l	98
47) Bromodichloromethane	6.76	83	102931	50.35	ug/l	99
48) Methyl methacrylate	6.62	41	89328	46.91	ug/l	99
49) 1,4-Dioxane	6.61	88	41839	958.31	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	581141	249.01	ug/l	100
52) Toluene	7.64	92	177700	50.41	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	114691	50.58	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	123886	50.88	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	75296	49.86	ug/l	99
56) Ethyl methacrylate	8.02	69	115921	45.81	ug/l	100
57) 1,3-Dichloropropane	8.24	76	129032	50.13	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	302829	249.95	ug/l	99
59) 2-Hexanone	8.36	43	464426	252.86	ug/l	100
60) Dibromochloromethane	8.48	129	82341	50.34	ug/l	99
61) 1,2-Dibromoethane	8.59	107	80363	49.04	ug/l	100
64) Tetrachloroethene	8.23	164	64059	49.34	ug/l	99
65) Chlorobenzene	9.12	112	201587	49.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	73833	49.51	ug/l	98
67) Ethyl Benzene	9.25	91	345508	51.75	ug/l	99
68) m/p-Xylenes	9.38	106	269120	105.97	ug/l	99
69) o-Xylene	9.78	106	128550	47.44	ug/l	99
70) Styrene	9.79	104	216475	47.46	ug/l	100
71) Bromoform	9.96	173	67455	52.01	ug/l #	99
73) Isopropylbenzene	10.17	105	347453	51.58	ug/l	99
74) N-amyl acetate	10.02	43	164308	51.67	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	128231	46.71	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	103541m	46.76	ug/l	
77) Bromobenzene	10.45	156	90928	49.67	ug/l	98
78) n-propylbenzene	10.59	91	422488	53.93	ug/l	100
79) 2-Chlorotoluene	10.66	91	243960	50.23	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	297485	52.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	42227m	59.86	ug/l	
82) 4-Chlorotoluene	10.77	91	282991	51.86	ug/l	99
83) tert-Butylbenzene	11.10	119	296694	51.64	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	303764	53.19	ug/l	99
85) sec-Butylbenzene	11.33	105	365627	53.58	ug/l	100
86) p-Isopropyltoluene	11.48	119	326305	49.75	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	167201	48.96	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	169239	47.71	ug/l	99
89) n-Butylbenzene	11.89	91	300633	49.95	ug/l	99
90) Hexachloroethane	12.15	117	59759	49.63	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	168097	48.93	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28580	51.93	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	123928	54.32	ug/l	99
94) Hexachlorobutadiene	13.69	225	62765	53.48	ug/l	98
95) Naphthalene	13.74	128	380307	49.56	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	125812	52.80	ug/l	99

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

