

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026681.D
 Acq On : 11 Sep 2018 12:30
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 4:48:56 PM

Quant Time: Sep 12 05:26:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 04:37:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	107961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	166355	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	168814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	110413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	250092	152.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.42%	
35) Dibromofluoromethane	4.88	113	208476	153.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.28%	
50) Toluene-d8	7.57	98	794953	158.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.80%	
62) 4-Bromofluorobenzene	10.31	95	322476	177.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	354.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	176442	151.27	ug/l	99
3) Chloromethane	1.32	50	232978	142.96	ug/l	100
4) Vinyl Chloride	1.40	62	253451	150.08	ug/l	100
5) Bromomethane	1.60	94	144490	136.60	ug/l	99
6) Chloroethane	1.67	64	155552	144.73	ug/l	97
7) Trichlorofluoromethane	1.87	101	331188	150.02	ug/l	99
8) Diethyl Ether	2.10	74	142803	147.61	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	192835	147.08	ug/l	100
10) Methyl Iodide	2.40	142	214026	216.67	ug/l	99
11) Tert butyl alcohol	2.85	59	294973	738.93	ug/l	99
12) 1,1-Dichloroethene	2.28	96	184692	149.01	ug/l	98
13) Acrolein	2.19	56	191116	710.44	ug/l	99
14) Allyl chloride	2.59	41	376765	168.78	ug/l	89
15) Acrylonitrile	2.94	53	674487	787.87	ug/l	99
16) Acetone	2.32	43	611153	659.12	ug/l	99
17) Carbon Disulfide	2.47	76	579898	147.05	ug/l	99
18) Methyl Acetate	2.61	43	303995	151.95	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	658395	154.28	ug/l	99
20) Methylene Chloride	2.70	84	219390	145.87	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	199706	152.95	ug/l	99
22) Diisopropyl ether	3.57	45	731151	156.93	ug/l	98
23) Vinyl Acetate	3.52	43	3216618	812.76	ug/l	100
24) 1,1-Dichloroethane	3.44	63	396074	150.70	ug/l	100
25) 2-Butanone	4.26	43	947297	758.44	ug/l	100
26) 2,2-Dichloropropane	4.22	77	321733	148.93	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	231742	153.99	ug/l	99
28) Bromochloromethane	4.55	49	183689	146.16	ug/l	99
29) Tetrahydrofuran	4.64	42	583666	775.10	ug/l	100
30) Chloroform	4.67	83	385870	149.30	ug/l	98
31) Cyclohexane	5.00	56	360586	132.56	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	328817	153.66	ug/l	99
36) 1,1-Dichloropropene	5.13	75	297057	159.05	ug/l	100
37) Ethyl Acetate	4.38	43	339839	151.31	ug/l	99
38) Carbon Tetrachloride	5.13	117	297575	150.80	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	365331	164.74	ug/l	98
40) Benzene	5.39	78	881087	151.90	ug/l	99
41) Methacrylonitrile	4.54	41	191397	164.18	ug/l	99
42) 1,2-Dichloroethane	5.40	62	309995	149.88	ug/l	100
43) Isopropyl Acetate	5.55	43	562500	164.48	ug/l	100
44) Trichloroethene	6.19	130	223421	155.63	ug/l	99
45) 1,2-Dichloropropane	6.43	63	244698	155.19	ug/l	99
46) Dibromomethane	6.56	93	158176	155.45	ug/l	98
47) Bromodichloromethane	6.76	83	313873	156.65	ug/l	100
48) Methyl methacrylate	6.62	41	290709	172.27	ug/l	99
49) 1,4-Dioxane	6.62	88	132986	3399.85	ug/l	99
51) 4-Methyl-2-Pentanone	7.47	43	1960549	857.06	ug/l	100
52) Toluene	7.64	92	557519	161.36	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	379210	170.62	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	387883	162.53	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	233577	157.79	ug/l	98
56) Ethyl methacrylate	8.02	69	395752	183.10	ug/l	99
57) 1,3-Dichloropropane	8.24	76	407995	161.70	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	921700	865.01	ug/l	100
59) 2-Hexanone	8.37	43	1566380	870.07	ug/l	99
60) Dibromochloromethane	8.48	129	268666	167.58	ug/l	99
61) 1,2-Dibromoethane	8.59	107	255769	159.24	ug/l	100
64) Tetrachloroethene	8.23	164	196662	146.37	ug/l	99
65) Chlorobenzene	9.12	112	641778	153.02	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	240834	156.07	ug/l	98
67) Ethyl Benzene	9.25	91	1124142	162.71	ug/l	99
68) m/p-Xylenes	9.38	106	871913	331.76	ug/l	100
69) o-Xylene	9.78	106	431231	168.43	ug/l	100
70) Styrene	9.79	104	734560	175.27	ug/l	99
71) Bromoform	9.96	173	234329	174.60	ug/l	# 100
73) Isopropylbenzene	10.17	105	1157548	153.85	ug/l	99
74) N-amyl acetate	10.02	43	594892	167.47	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	440252	143.57	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	371059m	132.12	ug/l	
77) Bromobenzene	10.46	156	306487	149.88	ug/l	98
78) n-propylbenzene	10.59	91	1411590	161.31	ug/l	100
79) 2-Chlorotoluene	10.66	91	818280	150.84	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	1011070	159.87	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	175085m	139.36	ug/l	
82) 4-Chlorotoluene	10.77	91	977390	160.36	ug/l	99
83) tert-Butylbenzene	11.10	119	1027790	160.14	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	1033313	161.99	ug/l	99
85) sec-Butylbenzene	11.33	105	1243404	163.14	ug/l	100
86) p-Isopropyltoluene	11.48	119	1116428	167.99	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	567234	148.69	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	573445	144.74	ug/l	99
89) n-Butylbenzene	11.89	91	1043798	179.26	ug/l	99
90) Hexachloroethane	12.15	117	210672	156.64	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	568294	148.09	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	97426	158.47	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	414299	162.57	ug/l	100
94) Hexachlorobutadiene	13.69	225	200240	152.74	ug/l	99
95) Naphthalene	13.74	128	1296725	167.98	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	418123	157.10	ug/l	100

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

