

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027587.D
 Acq On : 11 Oct 2018 10:18
 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
 10/16/2018 2:22:54 PM

Quant Time: Oct 12 09:35:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 10:17:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	123706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	206391	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	198576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	106495	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	271021	139.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.12%	
35) Dibromofluoromethane	4.88	113	198837	144.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.12%	
50) Toluene-d8	7.57	98	779280	149.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.68%	
62) 4-Bromofluorobenzene	10.31	95	307262	167.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	335.40%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	192525	141.78	ug/l	98
3) Chloromethane	1.33	50	308454	145.61	ug/l	99
4) Vinyl Chloride	1.40	62	295331	148.89	ug/l	98
5) Bromomethane	1.60	94	168123	157.64	ug/l	100
6) Chloroethane	1.67	64	172603	127.21	ug/l	97
7) Trichlorofluoromethane	1.87	101	320885	144.00	ug/l	99
8) Diethyl Ether	2.10	74	148773	148.80	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	189394	145.63	ug/l	98
10) Methyl Iodide	2.40	142	235502	182.05	ug/l	99
11) Tert butyl alcohol	2.85	59	358742	773.43	ug/l	99
12) 1,1-Dichloroethene	2.28	96	187705	147.43	ug/l	98
13) Acrolein	2.19	56	280287	758.73	ug/l	98
14) Allyl chloride	2.59	41	480890	157.44	ug/l	90
15) Acrylonitrile	2.94	53	854881	774.72	ug/l	99
16) Acetone	2.32	43	758156	632.48	ug/l	99
17) Carbon Disulfide	2.47	76	657975	151.43	ug/l	100
18) Methyl Acetate	2.62	43	422134	143.57	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	748066	153.75	ug/l	98
20) Methylene Chloride	2.70	84	237066	142.23	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	208952	148.69	ug/l	100
22) Diisopropyl ether	3.58	45	886026	150.24	ug/l	98
23) Vinyl Acetate	3.53	43	3934636	796.78	ug/l	100
24) 1,1-Dichloroethane	3.44	63	458680	146.25	ug/l	99
25) 2-Butanone	4.27	43	1259657	763.79	ug/l	99
26) 2,2-Dichloropropane	4.22	77	355764	140.65	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	241015	155.91	ug/l	98
28) Bromochloromethane	4.55	49	224684	145.01	ug/l	97
29) Tetrahydrofuran	4.64	42	804110	780.31	ug/l	99
30) Chloroform	4.67	83	409330	146.91	ug/l	99
31) Cyclohexane	5.00	56	436341	121.58	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	348133	148.37	ug/l	99
36) 1,1-Dichloropropene	5.13	75	328398	158.02	ug/l	98
37) Ethyl Acetate	4.38	43	453248	163.44	ug/l	99
38) Carbon Tetrachloride	5.13	117	299003	155.66	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	389587	168.02	ug/l	98
40) Benzene	5.39	78	957329	151.20	ug/l	100
41) Methacrylonitrile	4.55	41	254597	168.70	ug/l	100
42) 1,2-Dichloroethane	5.40	62	351361	149.92	ug/l	99
43) Isopropyl Acetate	5.55	43	713495	167.00	ug/l	100
44) Trichloroethene	6.19	130	218443	157.40	ug/l	100
45) 1,2-Dichloropropane	6.43	63	278736	155.42	ug/l	99
46) Dibromomethane	6.56	93	162043	153.12	ug/l	99
47) Bromodichloromethane	6.76	83	328660	154.64	ug/l	100
48) Methyl methacrylate	6.62	41	369793	177.96	ug/l	99
49) 1,4-Dioxane	6.62	88	139437	3427.20	ug/l	96
51) 4-Methyl-2-Pentanone	7.47	43	2426792	847.14	ug/l	99
52) Toluene	7.64	92	579192	161.79	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	409995	172.86	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	428605	164.57	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	230699	155.01	ug/l	98
56) Ethyl methacrylate	8.02	69	434473	186.96	ug/l	98
57) 1,3-Dichloropropane	8.24	76	443158	157.10	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	1177665	869.14	ug/l	98
59) 2-Hexanone	8.37	43	1926011	865.21	ug/l	99
60) Dibromochloromethane	8.48	129	246750	168.33	ug/l	100
61) 1,2-Dibromoethane	8.59	107	248938	159.65	ug/l	100
64) Tetrachloroethene	8.23	164	184552	149.54	ug/l	99
65) Chlorobenzene	9.12	112	623834	151.74	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	223386	160.46	ug/l	99
67) Ethyl Benzene	9.25	91	1141957	164.16	ug/l	99
68) m/p-Xylenes	9.38	106	848228	335.22	ug/l	99
69) o-Xylene	9.78	106	415385	169.15	ug/l	99
70) Styrene	9.79	104	709752	177.57	ug/l	99
71) Bromoform	9.96	173	200716	176.47	ug/l #	99
73) Isopropylbenzene	10.17	105	1121031	157.69	ug/l	99
74) N-amyl acetate	10.02	43	699574	168.90	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	430334	137.61	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	392137m	127.85	ug/l	
77) Bromobenzene	10.46	156	264381	150.64	ug/l	98
78) n-propylbenzene	10.59	91	1368972	158.85	ug/l	100
79) 2-Chlorotoluene	10.66	91	795538	148.81	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	948861	162.40	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	183956m	71.69	ug/l	
82) 4-Chlorotoluene	10.77	91	944747	160.16	ug/l	99
83) tert-Butylbenzene	11.10	119	927699	160.16	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	981810	166.89	ug/l	100
85) sec-Butylbenzene	11.33	105	1166385	167.43	ug/l	100
86) p-Isopropyltoluene	11.48	119	1016579	169.27	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	501009	154.38	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	507102	146.27	ug/l	99
89) n-Butylbenzene	11.89	91	990035	181.95	ug/l	99
90) Hexachloroethane	12.15	117	186804	159.22	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	496855	151.33	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	105061	157.04	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	353795	186.92	ug/l	99
94) Hexachlorobutadiene	13.69	225	163405	155.88	ug/l	99
95) Naphthalene	13.74	128	1208647	190.03	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	353094	165.97	ug/l	99

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

