

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110218\
 Data File : VU027908.D
 Acq On : 01 Nov 2018 20:22
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:00:21 AM

Quant Time: Nov 02 01:10:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 01:48:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	187128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	322794	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	315259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	167639	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	402581	130.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	260.12%	
35) Dibromofluoromethane	4.88	113	306338	139.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.20%	
50) Toluene-d8	7.57	98	1179552	144.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.04%	
62) 4-Bromofluorobenzene	10.31	95	475436	155.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	373649	141.535	ug/l	99
3) Chloromethane	1.33	50	438324	124.360	ug/l	99
4) Vinyl Chloride	1.40	62	432783	129.690	ug/l	100
5) Bromomethane	1.60	94	244596	170.115	ug/l	97
6) Chloroethane	1.67	64	242450	120.491	ug/l	100
7) Trichlorofluoromethane	1.87	101	489315	141.082	ug/l	96
8) Diethyl Ether	2.10	74	204886	129.984	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	289256	143.175	ug/l	99
10) Methyl Iodide	2.40	142	307542	206.847	ug/l	98
11) Tert butyl alcohol	2.85	59	531667	780.249	ug/l	99
12) 1,1-Dichloroethene	2.28	96	283067	143.367	ug/l	97
13) Acrolein	2.20	56	198062	398.829	ug/l	99
14) Allyl chloride	2.59	41	755431	161.232	ug/l	90
15) Acrylonitrile	2.94	53	1343829	771.244	ug/l	99
16) Acetone	2.32	43	1126628	618.530	ug/l	99
17) Carbon Disulfide	2.47	76	977656	138.562	ug/l	100
18) Methyl Acetate	2.62	43	654896	151.769	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	1152028	145.055	ug/l	99
20) Methylene Chloride	2.70	84	357552	138.632	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	322686	144.438	ug/l	96
22) Diisopropyl ether	3.58	45	1444241	150.204	ug/l	95
23) Vinyl Acetate	3.53	43	6410418	763.832	ug/l	100
24) 1,1-Dichloroethane	3.44	63	701751	143.077	ug/l	99
25) 2-Butanone	4.27	43	2000867	779.945	ug/l	99
26) 2,2-Dichloropropane	4.22	77	515475	129.831	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	379129	147.879	ug/l	99
28) Bromochloromethane	4.55	49	325996	139.987	ug/l	99
29) Tetrahydrofuran	4.64	42	1308156	802.487	ug/l	99
30) Chloroform	4.67	83	637252	145.608	ug/l	97
31) Cyclohexane	5.00	56	701177	122.536	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	538626	146.700	ug/l	99
36) 1,1-Dichloropropene	5.13	75	501597	144.023	ug/l	100
37) Ethyl Acetate	4.38	43	723241	156.657	ug/l	99
38) Carbon Tetrachloride	5.13	117	447084	142.196	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	624617	152.997	ug/l	99
40) Benzene	5.39	78	1524280	148.222	ug/l	100
41) Methacrylonitrile	4.54	41	410180	157.590	ug/l	99
42) 1,2-Dichloroethane	5.40	62	524620	139.072	ug/l	99
43) Isopropyl Acetate	5.55	43	1168330	163.442	ug/l	99
44) Trichloroethene	6.19	130	337520	148.456	ug/l	100
45) 1,2-Dichloropropane	6.43	63	442350	149.727	ug/l	97
46) Dibromomethane	6.56	93	257961	154.518	ug/l	99
47) Bromodichloromethane	6.76	83	512603	149.163	ug/l	99
48) Methyl methacrylate	6.62	41	595690	167.424	ug/l	99
49) 1,4-Dioxane	6.62	88	191851	3162.048	ug/l	98
51) 4-Methyl-2-Pentanone	7.47	43	3972477	850.023	ug/l	99
52) Toluene	7.64	92	919002	151.801	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	625153	155.418	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	651668	150.578	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	374704	156.091	ug/l	97
56) Ethyl methacrylate	8.02	69	713395	177.013	ug/l	99
57) 1,3-Dichloropropane	8.24	76	681772	146.836	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	1857362	841.763	ug/l	100
59) 2-Hexanone	8.37	43	3175173	874.009	ug/l	99
60) Dibromochloromethane	8.48	129	390678	161.990	ug/l	99
61) 1,2-Dibromoethane	8.59	107	409860	158.975	ug/l	98
64) Tetrachloroethene	8.23	164	290845	148.218	ug/l	99
65) Chlorobenzene	9.12	112	984850	147.998	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	347809	151.707	ug/l	100
67) Ethyl Benzene	9.25	91	1836823	155.518	ug/l	99
68) m/p-Xylenes	9.38	106	1348663	313.155	ug/l	99
69) o-Xylene	9.78	106	669857	162.920	ug/l	100
70) Styrene	9.79	104	1143902	169.335	ug/l	99
71) Bromoform	9.96	173	324761	174.256	ug/l #	100
73) Isopropylbenzene	10.17	105	1801185	147.767	ug/l	99
74) N-amyl acetate	10.02	43	1154263	162.152	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	727042	149.620	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	641868m	147.679	ug/l	
77) Bromobenzene	10.45	156	433589	151.533	ug/l	99
78) n-propylbenzene	10.59	91	2249706	153.431	ug/l	100
79) 2-Chlorotoluene	10.66	91	1298800	146.691	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	1550343	155.234	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	280060m	166.499	ug/l	
82) 4-Chlorotoluene	10.77	91	1540966	153.816	ug/l	100
83) tert-Butylbenzene	11.10	119	1515325	156.976	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	1582855	155.729	ug/l	100
85) sec-Butylbenzene	11.32	105	1925126	158.467	ug/l	100
86) p-Isopropyltoluene	11.48	119	1640077	158.493	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	817255	151.924	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	819404	149.170	ug/l	99
89) n-Butylbenzene	11.89	91	1665061	171.411	ug/l	99
90) Hexachloroethane	12.15	117	302763	155.640	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	813059	154.451	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	169723	158.962	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	583063	170.966	ug/l	100
94) Hexachlorobutadiene	13.69	225	274300	160.130	ug/l	98
95) Naphthalene	13.74	128	2034920	175.079	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	588004	164.813	ug/l	99

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

