

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101018\
 Data File : VU027555.D
 Acq On : 10 Oct 2018 08:07
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 9:01:52 AM

Quant Time: Oct 11 04:40:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	130756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	216755	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	198713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	101481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	90691	41.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.08%	
35) Dibromofluoromethane	4.88	113	67209	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
50) Toluene-d8	7.57	98	253584	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
62) 4-Bromofluorobenzene	10.31	95	93692	45.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	85243	45.219	ug/l	99
3) Chloromethane	1.33	50	109176	42.777	ug/l	97
4) Vinyl Chloride	1.40	62	106128	44.236	ug/l	99
5) Bromomethane	1.61	94	65326	62.928	ug/l	99
6) Chloroethane	1.69	64	58883	40.844	ug/l	97
7) Trichlorofluoromethane	1.88	101	112974	46.410	ug/l	100
8) Diethyl Ether	2.11	74	51229	45.685	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	67164	47.510	ug/l	99
10) Methyl Iodide	2.41	142	64178	51.566	ug/l	99
11) Tert butyl alcohol	2.83	59	105451	229.347	ug/l	99
12) 1,1-Dichloroethene	2.28	96	62911	45.549	ug/l	99
13) Acrolein	2.20	56	64567	167.355	ug/l	99
14) Allyl chloride	2.59	41	147002	44.820	ug/l	98
15) Acrylonitrile	2.94	53	280793	234.639	ug/l	99
16) Acetone	2.32	43	284892	220.869	ug/l	99
17) Carbon Disulfide	2.48	76	198002	39.749	ug/l	99
18) Methyl Acetate	2.62	43	151425	51.461	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	259304	46.855	ug/l	99
20) Methylene Chloride	2.70	84	80620	44.871	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	68378	44.096	ug/l	100
22) Diisopropyl ether	3.58	45	305675	45.854	ug/l	99
23) Vinyl Acetate	3.53	43	1302466	223.726	ug/l	99
24) 1,1-Dichloroethane	3.45	63	157660	46.005	ug/l	100
25) 2-Butanone	4.26	43	408683	232.347	ug/l	99
26) 2,2-Dichloropropane	4.23	77	127679	45.341	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	81383	45.894	ug/l	98
28) Bromochloromethane	4.55	49	79203	47.904	ug/l	96
29) Tetrahydrofuran	4.64	42	257793	232.559	ug/l	98
30) Chloroform	4.67	83	139985	45.976	ug/l	98
31) Cyclohexane	5.00	56	144969	41.357	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	117036	45.640	ug/l	98
36) 1,1-Dichloropropene	5.14	75	109122	46.366	ug/l	99
37) Ethyl Acetate	4.38	43	144024	47.351	ug/l	100
38) Carbon Tetrachloride	5.13	117	100664	47.351	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	128337	46.649	ug/l	97
40) Benzene	5.39	78	322448	47.036	ug/l	99
41) Methacrylonitrile	4.54	41	82479	47.976	ug/l	99
42) 1,2-Dichloroethane	5.40	62	118176	46.441	ug/l	99
43) Isopropyl Acetate	5.55	43	229562	48.595	ug/l	99
44) Trichloroethene	6.19	130	72167	47.210	ug/l	99
45) 1,2-Dichloropropane	6.43	63	94663	47.874	ug/l	97
46) Dibromomethane	6.56	93	54318	48.639	ug/l	99
47) Bromodichloromethane	6.76	83	109488	47.249	ug/l	100
48) Methyl methacrylate	6.62	41	115193	49.036	ug/l	99
49) 1,4-Dioxane	6.61	88	40673	1006.277	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	743909	242.340	ug/l	99
52) Toluene	7.64	92	191770	47.261	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	132338	48.708	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	141576	48.472	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	79772	49.585	ug/l	97
56) Ethyl methacrylate	8.02	69	134320	43.889	ug/l	99
57) 1,3-Dichloropropane	8.24	76	146585	46.936	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	377485	224.002	ug/l	98
59) 2-Hexanone	8.36	43	588916	247.316	ug/l	99
60) Dibromochloromethane	8.48	129	79900	49.518	ug/l	98
61) 1,2-Dibromoethane	8.59	107	81495	47.644	ug/l	99
64) Tetrachloroethene	8.23	164	59600	48.180	ug/l	98
65) Chlorobenzene	9.12	112	202759	48.475	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	71939	49.821	ug/l	99
67) Ethyl Benzene	9.25	91	365944	49.381	ug/l	99
68) m/p-Xylenes	9.38	106	274060	101.103	ug/l	98
69) o-Xylene	9.78	106	133296	51.746	ug/l	97
70) Styrene	9.79	104	224309	46.741	ug/l	99
71) Bromoform	9.96	173	59684	51.374	ug/l #	100
73) Isopropylbenzene	10.17	105	361258	49.015	ug/l	99
74) N-amyl acetate	10.02	43	202504	47.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	136793	47.267	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	117583m	44.698	ug/l	
77) Bromobenzene	10.45	156	82122	47.943	ug/l	97
78) n-propylbenzene	10.59	91	438868	49.553	ug/l	100
79) 2-Chlorotoluene	10.66	91	252619	47.241	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	304356	50.721	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	50481m	50.222	ug/l	
82) 4-Chlorotoluene	10.77	91	297492	49.024	ug/l	99
83) tert-Butylbenzene	11.10	119	292324	50.392	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	310332	50.628	ug/l	100
85) sec-Butylbenzene	11.32	105	368879	50.468	ug/l	100
86) p-Isopropyltoluene	11.48	119	322770	51.576	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	155851	48.051	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	158128	47.709	ug/l	100
89) n-Butylbenzene	11.89	91	307044	46.381	ug/l	100
90) Hexachloroethane	12.15	117	57501	48.746	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	155923	49.387	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	31551	49.191	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	110242	53.964	ug/l	99
94) Hexachlorobutadiene	13.69	225	55212	53.493	ug/l	98
95) Naphthalene	13.74	128	369907	48.273	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	111963	52.606	ug/l	99

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

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