

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U120518\
 Data File : VU028468.D
 Acq On : 05 Dec 2018 09:55
 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
 12/6/2018 4:53:08 PM

Quant Time: Dec 06 02:15:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	378661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	625213	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	585580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	288856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	291639	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
35) Dibromofluoromethane	4.88	113	223538	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
50) Toluene-d8	7.56	98	879430	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	10.30	95	326671	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	242158	47.672	ug/l	99
3) Chloromethane	1.33	50	433065	43.984	ug/l	99
4) Vinyl Chloride	1.40	62	332756	48.303	ug/l	99
5) Bromomethane	1.61	94	132235	49.630	ug/l	97
6) Chloroethane	1.69	64	195814	49.398	ug/l	95
7) Trichlorofluoromethane	1.88	101	359533	50.244	ug/l	98
8) Diethyl Ether	2.10	74	173370	52.119	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.28	101	227955	54.686	ug/l	94
10) Methyl Iodide	2.41	142	194792	49.555	ug/l	96
11) Tert butyl alcohol	2.83	59	349740	243.265	ug/l	98
12) 1,1-Dichloroethene	2.28	96	220243	54.445	ug/l	88
13) Acrolein	2.19	56	291241	227.864	ug/l	99
14) Allyl chloride	2.59	41	443538	41.966	ug/l	96
15) Acrylonitrile	2.93	53	873708	229.743	ug/l	99
16) Acetone	2.32	43	921038	237.919	ug/l	96
17) Carbon Disulfide	2.48	76	706369	45.493	ug/l	99
18) Methyl Acetate	2.61	43	488264	45.300	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	822652	49.603	ug/l	98
20) Methylene Chloride	2.70	84	268939	49.253	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	238349	50.805	ug/l	94
22) Diisopropyl ether	3.57	45	935913	44.978	ug/l	98
23) Vinyl Acetate	3.52	43	3880016	224.330	ug/l	97
24) 1,1-Dichloroethane	3.44	63	493693	48.122	ug/l	99
25) 2-Butanone	4.26	43	1253681	225.967	ug/l	94
26) 2,2-Dichloropropane	4.22	77	406398	49.879	ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	280388	50.536	ug/l	92
28) Bromochloromethane	4.55	49	232236	45.272	ug/l #	85
29) Tetrahydrofuran	4.63	42	788967	219.025	ug/l	92
30) Chloroform	4.67	83	455634	48.116	ug/l	98
31) Cyclohexane	4.99	56	469577	44.546	ug/l	95
32) 1,1,1-Trichloroethane	4.91	97	378517	49.815	ug/l	98
36) 1,1-Dichloropropene	5.13	75	350499	51.230	ug/l	97
37) Ethyl Acetate	4.38	43	443540	47.572	ug/l	97
38) Carbon Tetrachloride	5.13	117	300013	53.400	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	440078	54.557	ug/l	93
40) Benzene	5.39	78	1081181	53.357	ug/l	99
41) Methacrylonitrile	4.54	41	247841	47.866	ug/l	92
42) 1,2-Dichloroethane	5.40	62	365523	50.073	ug/l	95
43) Isopropyl Acetate	5.55	43	726642	49.182	ug/l	96
44) Trichloroethene	6.18	130	252521	58.138	ug/l	97
45) 1,2-Dichloropropane	6.43	63	305028	51.404	ug/l	97
46) Dibromomethane	6.56	93	183700	53.895	ug/l	95
47) Bromodichloromethane	6.76	83	352620	52.012	ug/l	99
48) Methyl methacrylate	6.62	41	365665	47.513	ug/l	95
49) 1,4-Dioxane	6.61	88	145961	1187.184	ug/l	89
51) 4-Methyl-2-Pentanone	7.46	43	2230510	236.375	ug/l	94
52) Toluene	7.64	92	653249	55.984	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	428268	52.828	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	454146	52.291	ug/l	95
55) 1,1,2-Trichloroethane	8.06	97	258285	53.186	ug/l	98
56) Ethyl methacrylate	8.02	69	447984	54.225	ug/l	94
57) 1,3-Dichloropropane	8.24	76	468316	52.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	1123502	253.295	ug/l	96
59) 2-Hexanone	8.36	43	1784002	244.070	ug/l	95
60) Dibromochloromethane	8.48	129	257235	55.695	ug/l	99
61) 1,2-Dibromoethane	8.58	107	278451	55.984	ug/l	98
64) Tetrachloroethene	8.22	164	215764	56.015	ug/l	98
65) Chlorobenzene	9.12	112	688023	56.585	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	232119	55.693	ug/l	99
67) Ethyl Benzene	9.25	91	1261681	55.093	ug/l	99
68) m/p-Xylenes	9.37	106	930717	112.913	ug/l	97
69) o-Xylene	9.78	106	453956	55.400	ug/l	99
70) Styrene	9.79	104	757353	57.309	ug/l	98
71) Bromoform	9.96	173	200059	57.108	ug/l #	99
73) Isopropylbenzene	10.16	105	1209965	53.858	ug/l	100
74) N-amyl acetate	10.01	43	641692	45.589	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	459031	49.687	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	398671m	49.770	ug/l	
77) Bromobenzene	10.45	156	291640	55.093	ug/l	92
78) n-propylbenzene	10.58	91	1486605	53.640	ug/l	98
79) 2-Chlorotoluene	10.66	91	861024	52.701	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	1011991	53.454	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	144970m	48.041	ug/l	
82) 4-Chlorotoluene	10.77	91	996284	52.927	ug/l	99
83) tert-Butylbenzene	11.10	119	983732	55.741	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	1034287	53.937	ug/l	98
85) sec-Butylbenzene	11.32	105	1239899	54.091	ug/l	100
86) p-Isopropyltoluene	11.48	119	1063788	56.440	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	530127	54.907	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	533337	54.888	ug/l	98
89) n-Butylbenzene	11.89	91	1030102	55.377	ug/l	98
90) Hexachloroethane	12.14	117	159135	54.080	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	536835	55.729	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	98739	48.049	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	369432	58.590	ug/l	98
94) Hexachlorobutadiene	13.69	225	167045	56.105	ug/l	98
95) Naphthalene	13.74	128	1275994	52.345	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	371385	58.237	ug/l	100

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

