

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070918\
 Data File : VU025273.D
 Acq On : 09 Jul 2018 14:54
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 2:33:17 PM

Quant Time: Jul 10 01:41:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 01:16:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	158845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	235872	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	219605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	126242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	50998	20.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.32%	
35) Dibromofluoromethane	4.89	113	41068	20.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.28%	
50) Toluene-d8	7.57	98	137953	20.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.50%	
62) 4-Bromofluorobenzene	10.31	95	52421	19.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	31409	19.11	ug/l	99
3) Chloromethane	1.33	50	33380	17.94	ug/l	97
4) Vinyl Chloride	1.40	62	33565	18.58	ug/l	100
5) Bromomethane	1.63	94	23862	18.08	ug/l	94
6) Chloroethane	1.70	64	22530	17.90	ug/l	100
7) Trichlorofluoromethane	1.89	101	54554	19.22	ug/l	98
8) Diethyl Ether	2.10	74	20583	19.32	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	33590	19.09	ug/l	99
10) Methyl Iodide	2.41	142	27898	16.41	ug/l	97
11) Tert butyl alcohol	2.82	59	54972	90.88	ug/l	99
12) 1,1-Dichloroethene	2.28	96	31113	19.32	ug/l	95
13) Acrolein	2.19	56	37684	100.32	ug/l	92
14) Allyl chloride	2.59	41	53273	18.24	ug/l	99
15) Acrylonitrile	2.94	53	107036	96.70	ug/l	98
16) Acetone	2.32	43	132560	99.47	ug/l	100
17) Carbon Disulfide	2.48	76	86809	17.40	ug/l	99
18) Methyl Acetate	2.62	43	49834	19.72	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	116877	19.08	ug/l	99
20) Methylene Chloride	2.70	84	37007	16.90	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	34030	18.49	ug/l	96
22) Diisopropyl ether	3.57	45	113345	19.01	ug/l	96
23) Vinyl Acetate	3.53	43	505390	96.61	ug/l	100
24) 1,1-Dichloroethane	3.45	63	66023	19.63	ug/l	100
25) 2-Butanone	4.26	43	170338	99.58	ug/l	99
26) 2,2-Dichloropropane	4.23	77	61125	18.90	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	39268	18.44	ug/l	97
28) Bromochloromethane	4.55	49	38256	23.56	ug/l	98
29) Tetrahydrofuran	4.63	42	100291	97.75	ug/l	98
30) Chloroform	4.68	83	67875	19.06	ug/l	96
31) Cyclohexane	5.00	56	60333	16.15	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	62383	19.33	ug/l	100
36) 1,1-Dichloropropene	5.14	75	48264	18.41	ug/l	98
37) Ethyl Acetate	4.38	43	59064	20.20	ug/l	99
38) Carbon Tetrachloride	5.14	117	53627	19.00	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	61921	18.93	ug/l	95
40) Benzene	5.39	78	144322	19.10	ug/l	96
41) Methacrylonitrile	4.54	41	31548	19.46	ug/l	99
42) 1,2-Dichloroethane	5.41	62	60166	20.03	ug/l	99
43) Isopropyl Acetate	5.55	43	91408	19.52	ug/l	99
44) Trichloroethene	6.19	130	39622	18.26	ug/l	99
45) 1,2-Dichloropropane	6.44	63	37539	18.97	ug/l	100
46) Dibromomethane	6.56	93	27116	18.83	ug/l	99
47) Bromodichloromethane	6.76	83	50908	19.03	ug/l	97
48) Methyl methacrylate	6.62	41	45453	19.47	ug/l	98
49) 1,4-Dioxane	6.62	88	23487	418.09	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	296891	97.54	ug/l	100
52) Toluene	7.64	92	90886	18.90	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	54391	18.50	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	58586	18.72	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	37912	18.93	ug/l	98
56) Ethyl methacrylate	8.02	69	58586	18.73	ug/l	98
57) 1,3-Dichloropropane	8.25	76	62807	18.89	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	134513	121.89	ug/l	99
59) 2-Hexanone	8.36	43	240355	97.35	ug/l	99
60) Dibromochloromethane	8.48	129	40134	18.56	ug/l	98
61) 1,2-Dibromoethane	8.59	107	41001	19.14	ug/l	100
64) Tetrachloroethene	8.23	164	38824	19.39	ug/l	97
65) Chlorobenzene	9.12	112	102538	18.69	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	38144	19.44	ug/l	99
67) Ethyl Benzene	9.25	91	176731	18.90	ug/l	98
68) m/p-Xylenes	9.38	106	137789	38.11	ug/l	98
69) o-Xylene	9.78	106	67796	18.73	ug/l	95
70) Styrene	9.80	104	106278	18.48	ug/l	99
71) Bromoform	9.96	173	31099	18.32	ug/l #	98
73) Isopropylbenzene	10.17	105	184694	19.15	ug/l	99
74) N-amyl acetate	10.01	43	76476	18.26	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	61480	19.48	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	55600m	19.52	ug/l	
77) Bromobenzene	10.46	156	46424	18.81	ug/l	99
78) n-propylbenzene	10.59	91	206450	19.29	ug/l	100
79) 2-Chlorotoluene	10.66	91	125647	18.76	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	160169	19.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	19621m	18.92	ug/l	
82) 4-Chlorotoluene	10.78	91	141713	18.70	ug/l	99
83) tert-Butylbenzene	11.10	119	158862	19.37	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	159929	19.23	ug/l	98
85) sec-Butylbenzene	11.33	105	190742	19.75	ug/l	100
86) p-Isopropyltoluene	11.48	119	168779	19.74	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	83939	18.61	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	83087	17.94	ug/l	95
89) n-Butylbenzene	11.89	91	135150	19.23	ug/l	99
90) Hexachloroethane	12.15	117	28262	19.52	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	84997	18.66	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	15620	20.41	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	52255	17.51	ug/l	99
94) Hexachlorobutadiene	13.70	225	31073	19.08	ug/l	99
95) Naphthalene	13.75	128	160491	15.63	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	54970	17.08	ug/l	99

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

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