

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025770.D
 Acq On : 01 Aug 2018 12:30
 Operator : MD/SY
 Sample : VU0801MBSD02
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:44:57 AM

Quant Time: Aug 02 04:10:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	171436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	260294	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	251442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138128	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
35) Dibromofluoromethane	4.89	113	113211	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	7.57	98	403771	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	10.31	95	153044	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	58273	22.490	ug/l	96
3) Chloromethane	1.33	50	50327	20.321	ug/l	97
4) Vinyl Chloride	1.40	62	48678	20.886	ug/l	99
5) Bromomethane	1.63	94	24407	21.441	ug/l	98
6) Chloroethane	1.70	64	27897	20.470	ug/l	99
7) Trichlorofluoromethane	1.89	101	70485	20.917	ug/l	97
8) Diethyl Ether	2.10	74	24415	20.025	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	42347	21.716	ug/l	98
10) Methyl Iodide	2.41	142	33381	23.793	ug/l	97
11) Tert butyl alcohol	2.83	59	63704	108.930	ug/l	100
12) 1,1-Dichloroethene	2.28	96	39210	21.301	ug/l	96
13) Acrolein	2.19	56	23574	110.170	ug/l	99
14) Allyl chloride	2.59	41	65476	19.794	ug/l	98
15) Acrylonitrile	2.94	53	126065	107.966	ug/l	99
16) Acetone	2.32	43	128703	98.827	ug/l	98
17) Carbon Disulfide	2.48	76	118432	19.880	ug/l	99
18) Methyl Acetate	2.62	43	79962	25.510	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	141111	21.155	ug/l	98
20) Methylene Chloride	2.70	84	45838	19.861	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	43952	20.656	ug/l	100
22) Diisopropyl ether	3.57	45	141902	21.769	ug/l	93
23) Vinyl Acetate	3.53	43	590794	103.998	ug/l	99
24) 1,1-Dichloroethane	3.45	63	83104	21.238	ug/l	99
25) 2-Butanone	4.27	43	186509	105.206	ug/l	99
26) 2,2-Dichloropropane	4.23	77	75897	21.340	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	49513	20.639	ug/l	98
28) Bromochloromethane	4.55	49	35887	20.512	ug/l	99
29) Tetrahydrofuran	4.64	42	113940	107.278	ug/l	100
30) Chloroform	4.68	83	86945	21.050	ug/l	99
31) Cyclohexane	5.00	56	72360	20.459	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	80601	21.675	ug/l	98
36) 1,1-Dichloropropene	5.14	75	61465	20.206	ug/l	98
37) Ethyl Acetate	4.38	43	65487	20.762	ug/l	98
38) Carbon Tetrachloride	5.14	117	70623	20.497	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	72389	20.769	ug/l	98
40) Benzene	5.39	78	181409	20.402	ug/l	99
41) Methacrylonitrile	4.54	41	38020	21.702	ug/l	98
42) 1,2-Dichloroethane	5.41	62	71508	20.885	ug/l	100
43) Isopropyl Acetate	5.55	43	107721	20.667	ug/l	99
44) Trichloroethene	6.19	130	50955	20.577	ug/l	100
45) 1,2-Dichloropropane	6.44	63	48056	20.723	ug/l	99
46) Dibromomethane	6.56	93	34996	20.827	ug/l	97
47) Bromodichloromethane	6.76	83	66536	20.759	ug/l	98
48) Methyl methacrylate	6.63	41	54277	21.247	ug/l	97
49) 1,4-Dioxane	6.61	88	27487	442.159	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	344143	105.462	ug/l	100
52) Toluene	7.64	92	114437	20.716	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	74516	20.705	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	77766	21.036	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	47448	20.668	ug/l	99
56) Ethyl methacrylate	8.02	69	68754	20.961	ug/l	97
57) 1,3-Dichloropropane	8.25	76	80552	20.865	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	135966	96.025	ug/l	100
59) 2-Hexanone	8.36	43	269600	105.397	ug/l	99
60) Dibromochloromethane	8.48	129	55666	20.562	ug/l	99
61) 1,2-Dibromoethane	8.59	107	51535	20.185	ug/l	97
64) Tetrachloroethene	8.23	164	45961	20.767	ug/l	98
65) Chlorobenzene	9.12	112	131279	20.251	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	49845	21.254	ug/l	97
67) Ethyl Benzene	9.25	91	221695	20.645	ug/l	99
68) m/p-Xylenes	9.38	106	174983	42.444	ug/l	98
69) o-Xylene	9.78	106	84241	20.908	ug/l	99
70) Styrene	9.80	104	133549	20.520	ug/l	100
71) Bromoform	9.96	173	41918	20.614	ug/l #	98
73) Isopropylbenzene	10.17	105	225499	21.185	ug/l	98
74) N-amyl acetate	10.01	43	93805	21.587	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	76659	20.826	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	67091m	19.525	ug/l	
77) Bromobenzene	10.45	156	61935	21.095	ug/l	98
78) n-propylbenzene	10.59	91	262980	21.168	ug/l	99
79) 2-Chlorotoluene	10.66	91	157616	21.660	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	194900	21.560	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	29608m	21.606	ug/l	
82) 4-Chlorotoluene	10.78	91	185192	21.590	ug/l	100
83) tert-Butylbenzene	11.10	119	192149	21.394	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	198708	21.692	ug/l	97
85) sec-Butylbenzene	11.33	105	230818	21.049	ug/l	100
86) p-Isopropyltoluene	11.48	119	210077	21.395	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	113527	20.832	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	113582	19.994	ug/l	98
89) n-Butylbenzene	11.89	91	186719	20.607	ug/l	98
90) Hexachloroethane	12.15	117	34697	19.874	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	110456	20.678	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18023	20.653	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	76311	21.167	ug/l	99
94) Hexachlorobutadiene	13.70	225	37534	19.750	ug/l	98
95) Naphthalene	13.74	128	228093	20.455	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	77459	21.538	ug/l	100

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

