

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025681.D
 Acq On : 27 Jul 2018 20:00
 Operator : MD/SY
 Sample : VU0727MBSD01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:49:37 PM

Quant Time: Jul 28 05:20:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	168152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	259138	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	247579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153838	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	134845	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	4.89	113	108996	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	7.57	98	389753	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	10.31	95	147015	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	54544	21.46	ug/l	98
3) Chloromethane	1.33	50	47887	19.71	ug/l	100
4) Vinyl Chloride	1.40	62	46028	20.13	ug/l	99
5) Bromomethane	1.63	94	22823	20.44	ug/l	99
6) Chloroethane	1.70	64	26246	19.64	ug/l	96
7) Trichlorofluoromethane	1.89	101	67511	20.43	ug/l	99
8) Diethyl Ether	2.10	74	23130	19.34	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	40106	20.97	ug/l	100
10) Methyl Iodide	2.41	142	27262	21.25	ug/l	98
11) Tert butyl alcohol	2.83	59	61813	107.76	ug/l	99
12) 1,1-Dichloroethene	2.28	96	37220	20.62	ug/l	94
13) Acrolein	2.19	56	19241	91.33	ug/l	98
14) Allyl chloride	2.59	41	61220	18.87	ug/l	100
15) Acrylonitrile	2.94	53	122078	106.59	ug/l	99
16) Acetone	2.32	43	114248	89.44	ug/l	96
17) Carbon Disulfide	2.48	76	113096	19.36	ug/l	100
18) Methyl Acetate	2.62	43	70798	23.03	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	133334	20.38	ug/l	98
20) Methylene Chloride	2.70	84	44857	19.82	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	41457	19.86	ug/l	100
22) Diisopropyl ether	3.58	45	131944	20.64	ug/l	94
23) Vinyl Acetate	3.53	43	570517	102.39	ug/l	100
24) 1,1-Dichloroethane	3.45	63	78828	20.54	ug/l	99
25) 2-Butanone	4.27	43	180576	103.85	ug/l	100
26) 2,2-Dichloropropane	4.23	77	61101	17.51	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	47186	20.05	ug/l	97
28) Bromochloromethane	4.55	49	37982	22.13	ug/l	99
29) Tetrahydrofuran	4.64	42	111473	107.01	ug/l	100
30) Chloroform	4.68	83	82481	20.36	ug/l	99
31) Cyclohexane	5.00	56	70015	20.16	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	74668	20.47	ug/l	100
36) 1,1-Dichloropropene	5.14	75	58937	19.46	ug/l	98
37) Ethyl Acetate	4.38	43	64813	20.64	ug/l	100
38) Carbon Tetrachloride	5.14	117	66045	19.25	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	66827	19.26	ug/l	99
40) Benzene	5.39	78	171782	19.41	ug/l	99
41) Methacrylonitrile	4.54	41	36354	20.84	ug/l	99
42) 1,2-Dichloroethane	5.41	62	67874	19.91	ug/l	100
43) Isopropyl Acetate	5.55	43	105022	20.24	ug/l	99
44) Trichloroethene	6.19	130	47427	19.24	ug/l	98
45) 1,2-Dichloropropane	6.44	63	45757	19.82	ug/l	98
46) Dibromomethane	6.56	93	33492	20.02	ug/l	96
47) Bromodichloromethane	6.76	83	61613	19.31	ug/l	98
48) Methyl methacrylate	6.63	41	52685	20.72	ug/l	98
49) 1,4-Dioxane	6.62	88	25851	417.70	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	334805	103.06	ug/l	100
52) Toluene	7.64	92	109675	19.94	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	69622	19.43	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	71360	19.39	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	45160	19.76	ug/l	97
56) Ethyl methacrylate	8.02	69	63544	19.46	ug/l	99
57) 1,3-Dichloropropane	8.25	76	75851	19.73	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	132365	94.06	ug/l	100
59) 2-Hexanone	8.36	43	261934	102.86	ug/l	98
60) Dibromochloromethane	8.48	129	50931	18.90	ug/l	97
61) 1,2-Dibromoethane	8.59	107	49319	19.40	ug/l	98
64) Tetrachloroethene	8.23	164	43308	19.87	ug/l	98
65) Chlorobenzene	9.12	112	125242	19.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	46500	20.14	ug/l	99
67) Ethyl Benzene	9.25	91	208098	19.68	ug/l	100
68) m/p-Xylenes	9.38	106	166496	41.02	ug/l	98
69) o-Xylene	9.78	106	79011	19.92	ug/l	100
70) Styrene	9.80	104	126596	19.76	ug/l	99
71) Bromoform	9.96	173	38506	19.23	ug/l #	100
73) Isopropylbenzene	10.17	105	212610	20.25	ug/l	100
74) N-amyl acetate	10.02	43	89569	20.90	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	73282	20.18	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	65721m	19.39	ug/l	
77) Bromobenzene	10.45	156	56077	19.36	ug/l	98
78) n-propylbenzene	10.59	91	251020	20.48	ug/l	100
79) 2-Chlorotoluene	10.66	91	147521	20.55	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	183652	20.60	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	51884m	38.38	ug/l	
82) 4-Chlorotoluene	10.78	91	174424	20.61	ug/l	99
83) tert-Butylbenzene	11.10	119	176571	19.93	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	189360	20.96	ug/l	98
85) sec-Butylbenzene	11.33	105	221832	20.51	ug/l	100
86) p-Isopropyltoluene	11.48	119	199192	20.57	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	107451	19.99	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	109949	19.62	ug/l	98
89) n-Butylbenzene	11.89	91	178890	20.01	ug/l	99
90) Hexachloroethane	12.15	117	32200	18.70	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	106596	20.23	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18037	20.95	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	73593	20.69	ug/l	99
94) Hexachlorobutadiene	13.70	225	36272	19.35	ug/l	98
95) Naphthalene	13.75	128	225185	20.47	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	75535	21.29	ug/l	99

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

