

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025660.D
 Acq On : 27 Jul 2018 10:41
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:47:56 PM

Quant Time: Jul 28 02:08:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 12:00:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	169454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	253646	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	243914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153543	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	55401	21.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	42.08%		
35) Dibromofluoromethane	4.89	113	45072	21.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	42.12%		
50) Toluene-d8	7.57	98	158014	21.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	43.14%		
62) 4-Bromofluorobenzene	10.31	95	57966	19.65	ug/l	0.00
Spiked Amount 50.000			Recovery =	39.30%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	57153	32.59	ug/l	99
3) Chloromethane	1.33	50	51992	26.20	ug/l	97
4) Vinyl Chloride	1.41	62	47268	24.53	ug/l	99
5) Bromomethane	1.63	94	24721	17.56	ug/l	99
6) Chloroethane	1.70	64	27620	20.56	ug/l	98
7) Trichlorofluoromethane	1.89	101	69737	23.03	ug/l	99
8) Diethyl Ether	2.10	74	24650	21.69	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	39576	21.09	ug/l	100
10) Methyl Iodide	2.41	142	23707	12.94	ug/l	99
11) Tert butyl alcohol	2.82	59	57046	99.33	ug/l	100
12) 1,1-Dichloroethene	2.28	96	36920	21.49	ug/l	94
13) Acrolein	2.19	56	20424	53.76	ug/l	96
14) Allyl chloride	2.59	41	63950	20.53	ug/l	99
15) Acrylonitrile	2.94	53	118417	100.29	ug/l	99
16) Acetone	2.32	43	135508	95.32	ug/l	98
17) Carbon Disulfide	2.48	76	115506	21.71	ug/l	100
18) Methyl Acetate	2.62	43	67282	24.96	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	132001	20.20	ug/l	99
20) Methylene Chloride	2.71	84	46108	19.74	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	41648	21.22	ug/l	98
22) Diisopropyl ether	3.57	45	132162	20.77	ug/l	97
23) Vinyl Acetate	3.53	43	566638	101.53	ug/l	100
24) 1,1-Dichloroethane	3.45	63	79083	22.04	ug/l	99
25) 2-Butanone	4.27	43	182197	99.85	ug/l	99
26) 2,2-Dichloropropane	4.23	77	74156	21.50	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	47452	20.89	ug/l	100
28) Bromochloromethane	4.55	49	34166	19.72	ug/l	99
29) Tetrahydrofuran	4.64	42	108117	98.78	ug/l	98
30) Chloroform	4.68	83	83365	21.94	ug/l	99
31) Cyclohexane	5.00	56	69583	17.46	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	75325	21.87	ug/l	97
36) 1,1-Dichloropropene	5.14	75	59864	21.23	ug/l	99
37) Ethyl Acetate	4.38	43	64518	20.52	ug/l	99
38) Carbon Tetrachloride	5.14	117	68146	22.45	ug/l	99

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39) Methylcyclohexane	6.42	83	66664	18.95	ug/l	98
40) Benzene	5.39	78	174617	21.49	ug/l	99
41) Methacrylonitrile	4.54	41	34542	19.81	ug/l	98
42) 1,2-Dichloroethane	5.41	62	69556	21.53	ug/l	100
43) Isopropyl Acetate	5.55	43	103969	20.64	ug/l	99
44) Trichloroethene	6.19	130	48593	20.83	ug/l	97
45) 1,2-Dichloropropane	6.44	63	45542	21.40	ug/l	94
46) Dibromomethane	6.56	93	32422	20.93	ug/l	98
47) Bromodichloromethane	6.76	83	62128	21.59	ug/l	97
48) Methyl methacrylate	6.63	41	50847	20.25	ug/l	98
49) 1,4-Dioxane	6.62	88	23545	389.75	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	327611	100.09	ug/l	99
52) Toluene	7.64	92	109117	21.11	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	70207	22.21	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	73435	21.83	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	45435	21.10	ug/l	98
56) Ethyl methacrylate	8.02	69	62817	18.68	ug/l	100
57) 1,3-Dichloropropane	8.25	76	75833	21.22	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	133603	112.58	ug/l	100
59) 2-Hexanone	8.36	43	254657	95.92	ug/l	99
60) Dibromochloromethane	8.48	129	51682	22.23	ug/l	99
61) 1,2-Dibromoethane	8.59	107	50217	21.80	ug/l	99
64) Tetrachloroethene	8.23	164	43343	19.49	ug/l	97
65) Chlorobenzene	9.12	112	127859	20.98	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	48349	22.18	ug/l	98
67) Ethyl Benzene	9.25	91	211704	20.38	ug/l	96
68) m/p-Xylenes	9.38	106	163809	40.79	ug/l	99
69) o-Xylene	9.78	106	79148	19.68	ug/l	99
70) Styrene	9.80	104	129157	20.22	ug/l	99
71) Bromoform	9.96	173	38386	20.36	ug/l #	97
73) Isopropylbenzene	10.17	105	215500	18.37	ug/l	100
74) N-amyl acetate	10.01	43	87335	17.15	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	73721	19.21	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	65239m	18.66	ug/l	
77) Bromobenzene	10.45	156	56711	18.90	ug/l	98
78) n-propylbenzene	10.59	91	251434	19.31	ug/l	100
79) 2-Chlorotoluene	10.66	91	148396	18.21	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	185931	18.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	23500m	19.21	ug/l	
82) 4-Chlorotoluene	10.78	91	176237	19.12	ug/l	99
83) tert-Butylbenzene	11.10	119	179773	18.02	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	187472	18.53	ug/l	98
85) sec-Butylbenzene	11.33	105	223512	19.03	ug/l	100
86) p-Isopropyltoluene	11.48	119	197913	19.03	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	108458	19.77	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	110997	19.70	ug/l	98
89) n-Butylbenzene	11.89	91	179416	20.99	ug/l	99
90) Hexachloroethane	12.15	117	33046	18.77	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	106608	19.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17092	18.36	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	71665	19.75	ug/l	98
94) Hexachlorobutadiene	13.70	225	36949	18.65	ug/l	98
95) Naphthalene	13.75	128	209799	16.80	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	74248	18.97	ug/l	100

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

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