

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027583.D
 Acq On : 11 Oct 2018 08:45
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:22:49 PM

Quant Time: Oct 12 09:30:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 09:56:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	110898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	188871	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	169420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	78747	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	9234	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
35) Dibromofluoromethane	4.89	113	6614	5.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.22%	
50) Toluene-d8	7.57	98	23238	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
62) 4-Bromofluorobenzene	10.31	95	7629	4.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	6698	4.19	ug/l	100
3) Chloromethane	1.33	50	9978	4.61	ug/l	94
4) Vinyl Chloride	1.40	62	9220	4.53	ug/l	97
5) Bromomethane	1.61	94	4945	5.62	ug/l	94
6) Chloroethane	1.69	64	6356	5.20	ug/l	93
7) Trichlorofluoromethane	1.88	101	10520	5.10	ug/l	100
8) Diethyl Ether	2.11	74	4900	5.15	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	5804	4.84	ug/l	96
10) Methyl Iodide	2.41	142	3862	4.42	ug/l	97
11) Tert butyl alcohol	2.83	59	10216	26.20	ug/l	98
12) 1,1-Dichloroethene	2.28	96	5793	4.95	ug/l	96
13) Acrolein	2.20	56	7952	24.30	ug/l	94
14) Allyl chloride	2.59	41	13231	4.76	ug/l	98
15) Acrylonitrile	2.94	53	25024	24.66	ug/l	99
16) Acetone	2.32	43	28874	26.39	ug/l	98
17) Carbon Disulfide	2.48	76	19833	4.69	ug/l	99
18) Methyl Acetate	2.62	43	13340	5.35	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	21455	4.57	ug/l	97
20) Methylene Chloride	2.70	84	7686	5.04	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	6381	4.85	ug/l	99
22) Diisopropyl ether	3.58	45	26737	4.73	ug/l	91
23) Vinyl Acetate	3.53	43	105562	21.38	ug/l	100
24) 1,1-Dichloroethane	3.45	63	14279	4.91	ug/l	99
25) 2-Butanone	4.27	43	38524	25.82	ug/l	95
26) 2,2-Dichloropropane	4.23	77	11429	4.79	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	7210	4.79	ug/l	99
28) Bromochloromethane	4.55	49	7278	5.19	ug/l #	97
29) Tetrahydrofuran	4.64	42	23045	24.51	ug/l	98
30) Chloroform	4.68	83	12795	4.95	ug/l	99
31) Cyclohexane	5.00	56	15388	4.53	ug/l #	84
32) 1,1,1-Trichloroethane	4.92	97	10462	4.81	ug/l	97
36) 1,1-Dichloropropene	5.14	75	9707	4.73	ug/l	96
37) Ethyl Acetate	4.39	43	13742	5.19	ug/l #	96
38) Carbon Tetrachloride	5.14	117	8629	4.66	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	10037	4.19	ug/l	98
40) Benzene	5.39	78	29256	4.90	ug/l	99
41) Methacrylonitrile	4.55	41	6928	4.62	ug/l	98
42) 1,2-Dichloroethane	5.41	62	10896	4.91	ug/l	98
43) Isopropyl Acetate	5.55	43	18826	4.57	ug/l	99
44) Trichloroethene	6.19	130	6582	4.94	ug/l	99
45) 1,2-Dichloropropane	6.44	63	8507	4.94	ug/l	97
46) Dibromomethane	6.56	93	4947	5.08	ug/l	96
47) Bromodichloromethane	6.76	83	9547	4.73	ug/l	97
48) Methyl methacrylate	6.63	41	8971	4.38	ug/l	98
49) 1,4-Dioxane	6.62	88	3527	100.14	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	64507	24.12	ug/l	97
52) Toluene	7.64	92	16314	4.61	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	10770	4.55	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	11347	4.46	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	6989	4.99	ug/l	97
56) Ethyl methacrylate	8.02	69	9830	4.23	ug/l	96
57) 1,3-Dichloropropane	8.24	76	12786	4.70	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	29034	22.34	ug/l	100
59) 2-Hexanone	8.37	43	50081	24.14	ug/l	97
60) Dibromochloromethane	8.48	129	6584	4.68	ug/l	99
61) 1,2-Dibromoethane	8.59	107	6928	4.65	ug/l	97
64) Tetrachloroethene	8.23	164	5246	4.97	ug/l	98
65) Chlorobenzene	9.12	112	17447	4.89	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.21	131	5935	4.82	ug/l	98
67) Ethyl Benzene	9.25	91	28241	4.47	ug/l	99
68) m/p-Xylenes	9.38	106	19933	8.62	ug/l	97
69) o-Xylene	9.78	106	9870	4.49	ug/l	99
70) Styrene	9.79	104	15565	4.32	ug/l	98
71) Bromoform	9.96	173	4799	4.85	ug/l #	98
73) Isopropylbenzene	10.17	105	26018	4.55	ug/l	100
74) N-amyl acetate	10.02	43	14560	4.45	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	12038	5.36	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	10812m	5.30	ug/l	
77) Bromobenzene	10.46	156	6577	4.95	ug/l	96
78) n-propylbenzene	10.59	91	30586	4.45	ug/l	97
79) 2-Chlorotoluene	10.66	91	20126	4.85	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	20839	4.48	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	3202m	4.11	ug/l	
82) 4-Chlorotoluene	10.77	91	21331	4.53	ug/l	99
83) tert-Butylbenzene	11.10	119	21614	4.80	ug/l	95
84) 1,2,4-Trimethylbenzene	11.15	105	20569	4.32	ug/l	98
85) sec-Butylbenzene	11.32	105	24674	4.35	ug/l	100
86) p-Isopropyltoluene	11.48	119	20793	4.28	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	11786	4.68	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	12580	4.89	ug/l	94
89) n-Butylbenzene	11.89	91	18100	4.00	ug/l	95
90) Hexachloroethane	12.15	117	4227	4.62	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	12454	5.08	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	2603	5.23	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	6416	4.05	ug/l	95
94) Hexachlorobutadiene	13.69	225	3786	4.73	ug/l	99
95) Naphthalene	13.75	128	20606	3.88	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	7559	4.58	ug/l	96

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

