

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX060418\
 Data File : VX002255.D
 Acq On : 04 Jun 2018 10:59
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/5/2018 5:56:02 PM

Quant Time: Jun 05 02:15:05 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 02:06:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	299102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	432880	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	240256	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	92307	19.84	ug/l	0.00
Spiked Amount						
			Recovery	=	39.68%	
35) Dibromofluoromethane	5.51	113	70245	20.63	ug/l	0.00
Spiked Amount						
			Recovery	=	41.26%	
50) Toluene-d8	8.72	98	269927	20.69	ug/l	0.00
Spiked Amount						
			Recovery	=	41.38%	
62) 4-Bromofluorobenzene	11.14	95	98980	19.67	ug/l	0.00
Spiked Amount						
			Recovery	=	39.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	69420	22.33	ug/l	99
3) Chloromethane	1.32	50	80688	19.72	ug/l	99
4) Vinyl Chloride	1.41	62	81127	20.70	ug/l	100
5) Bromomethane	1.64	94	50621	16.25	ug/l	99
6) Chloroethane	1.73	64	51197	20.20	ug/l	100
7) Trichlorofluoromethane	1.93	101	130038	21.78	ug/l	98
8) Diethyl Ether	2.19	74	46511	19.12	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	71599	22.22	ug/l	99
10) Methyl Iodide	2.51	142	84721	18.69	ug/l	99
11) Tert butyl alcohol	3.07	59	97863	102.10	ug/l	100
12) 1,1-Dichloroethene	2.38	96	64819	20.36	ug/l	97
13) Acrolein	2.30	56	44249	95.84	ug/l	96
14) Allyl chloride	2.73	41	134271	19.43	ug/l	99
15) Acrylonitrile	3.15	53	195346	95.76	ug/l	99
16) Acetone	2.45	43	220245	102.97	ug/l	100
17) Carbon Disulfide	2.57	76	163124	19.44	ug/l	98
18) Methyl Acetate	2.78	43	92682	18.37	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	239773	19.01	ug/l	99
20) Methylene Chloride	2.86	84	73322	17.25	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	69164	19.70	ug/l	99
22) Diisopropyl ether	3.88	45	238441	18.49	ug/l	100
23) Vinyl Acetate	3.83	43	1032494	92.17	ug/l	100
24) 1,1-Dichloroethane	3.70	63	135515	19.84	ug/l	98
25) 2-Butanone	4.71	43	288719	98.45	ug/l	99
26) 2,2-Dichloropropane	4.59	77	105415	19.75	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	72141	18.89	ug/l	92
28) Bromochloromethane	5.03	49	65903	19.93	ug/l	97
29) Tetrahydrofuran	5.17	42	178734	94.53	ug/l	99
30) Chloroform	5.22	83	125418	19.03	ug/l	96
31) Cyclohexane	5.58	56	114343	21.17	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	112061	20.05	ug/l	99
36) 1,1-Dichloropropene	5.81	75	92819	20.40	ug/l	99
37) Ethyl Acetate	4.87	43	108625	19.85	ug/l	99
38) Carbon Tetrachloride	5.79	117	100193	21.05	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	117770	22.71	ug/l	99
40) Benzene	6.15	78	280091	20.07	ug/l	100
41) Methacrylonitrile	5.07	41	60584	19.34	ug/l	99
42) 1,2-Dichloroethane	6.20	62	110198	19.88	ug/l	99
43) Isopropyl Acetate	6.47	43	180662	19.44	ug/l	99
44) Trichloroethene	7.22	130	79651	20.57	ug/l	99
45) 1,2-Dichloropropane	7.52	63	74339	19.73	ug/l	96
46) Dibromomethane	7.67	93	48255	18.90	ug/l	98
47) Bromodichloromethane	7.90	83	89362	19.35	ug/l	99
48) Methyl methacrylate	7.78	41	91209	19.53	ug/l	100
49) 1,4-Dioxane	7.76	88	34605	396.37	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	575215	99.37	ug/l	100
52) Toluene	8.79	92	180305	20.32	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	109374	19.75	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	100641	19.26	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	71363	19.55	ug/l	98
56) Ethyl methacrylate	9.18	69	112387	19.29	ug/l	100
57) 1,3-Dichloropropane	9.38	76	120578	19.69	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	267729	99.26	ug/l	99
59) 2-Hexanone	9.50	43	450314	100.71	ug/l	100
60) Dibromochloromethane	9.59	129	70108	19.10	ug/l	99
61) 1,2-Dibromoethane	9.68	107	73981	19.44	ug/l	99
64) Tetrachloroethene	9.34	164	89056	21.42	ug/l	99
65) Chlorobenzene	10.14	112	201923	20.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	72695	20.01	ug/l	99
67) Ethyl Benzene	10.26	91	350245	20.86	ug/l	99
68) m/p-Xylenes	10.37	106	267130	40.93	ug/l	100
69) o-Xylene	10.70	106	132454	20.40	ug/l	99
70) Styrene	10.72	104	212224	19.99	ug/l	99
71) Bromoform	10.86	173	53136	18.45	ug/l	99
73) Isopropylbenzene	11.02	105	359755	21.53	ug/l	100
74) N-amyl acetate	6.47	43	180662	20.06	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	101586	19.33	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	105494m	21.89	ug/l	
77) Bromobenzene	11.26	156	94463	20.13	ug/l	99
78) n-propylbenzene	11.37	91	405025	21.80	ug/l	100
79) 2-Chlorotoluene	11.43	91	241233	20.57	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	298903	20.85	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	28851	19.18	ug/l	92
82) 4-Chlorotoluene	11.51	91	281931	20.82	ug/l	100
83) tert-Butylbenzene	11.77	119	294043	21.06	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	306334	20.76	ug/l	100
85) sec-Butylbenzene	11.95	105	363159	22.19	ug/l	100
86) p-Isopropyltoluene	12.07	119	325645	21.85	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	168918	20.13	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	171390	19.82	ug/l	99
89) n-Butylbenzene	12.39	91	272420	21.79	ug/l	99
90) Hexachloroethane	12.60	117	48051	20.19	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	174588	20.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	23010	20.02	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	123525	20.29	ug/l	99
94) Hexachlorobutadiene	13.79	225	66448	22.09	ug/l	100
95) Naphthalene	13.84	128	355544	20.33	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	126916	20.45	ug/l	100

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

