

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\
 Data File : VX004200.D
 Acq On : 22 Aug 2018 15:57
 Operator : JC/MD
 Sample : VX0822WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 9:40:20 AM

Quant Time: Aug 23 06:49:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	341206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	474738	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	431028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	270924	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	215926	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	5.50	113	182165	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	8.71	98	682559	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.14	95	249036	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	84917	21.49	ug/l	96
3) Chloromethane	1.32	50	85174	19.68	ug/l	99
4) Vinyl Chloride	1.40	62	89611	20.04	ug/l	99
5) Bromomethane	1.64	94	51341	22.17	ug/l	100
6) Chloroethane	1.72	64	56850	17.25	ug/l	97
7) Trichlorofluoromethane	1.93	101	120774	19.71	ug/l	97
8) Diethyl Ether	2.18	74	50620	19.30	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	74580	19.44	ug/l	99
10) Methyl Iodide	2.51	142	62147	17.39	ug/l	99
11) Tert butyl alcohol	3.07	59	90079	95.02	ug/l	99
12) 1,1-Dichloroethene	2.37	96	69293	19.17	ug/l	98
13) Acrolein	2.29	56	21019	91.97	ug/l	97
14) Allyl chloride	2.73	41	126440	19.04	ug/l	100
15) Acrylonitrile	3.15	53	216101	92.05	ug/l	100
16) Acetone	2.44	43	179283	93.71	ug/l	99
17) Carbon Disulfide	2.57	76	189961	19.42	ug/l	100
18) Methyl Acetate	2.78	43	127880	19.38	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	228344	19.17	ug/l	96
20) Methylene Chloride	2.85	84	79022	18.46	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	75002	18.75	ug/l	97
22) Diisopropyl ether	3.87	45	225521	18.19	ug/l	95
23) Vinyl Acetate	3.82	43	954644	94.99	ug/l	99
24) 1,1-Dichloroethane	3.69	63	139152	19.26	ug/l	99
25) 2-Butanone	4.70	43	291623	96.11	ug/l	98
26) 2,2-Dichloropropane	4.58	77	110761	19.54	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	87312	19.24	ug/l	99
28) Bromochloromethane	5.01	49	63262	19.77	ug/l	100
29) Tetrahydrofuran	5.16	42	179186	93.78	ug/l	100
30) Chloroform	5.21	83	138398	19.10	ug/l	97
31) Cyclohexane	5.57	56	123285	19.77	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	117184	19.40	ug/l	99
36) 1,1-Dichloropropene	5.79	75	108573	20.34	ug/l	99
37) Ethyl Acetate	4.85	43	106102	20.21	ug/l	100
38) Carbon Tetrachloride	5.78	117	102183	20.35	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	120739	19.81	ug/l	98
40) Benzene	6.14	78	324258	20.33	ug/l	97
41) Methacrylonitrile	5.06	41	59790	19.65	ug/l	98
42) 1,2-Dichloroethane	6.20	62	109434	20.12	ug/l	100
43) Isopropyl Acetate	6.46	43	159023	19.72	ug/l	100
44) Trichloroethene	7.21	130	86583	19.61	ug/l	97
45) 1,2-Dichloropropane	7.51	63	81004	20.29	ug/l	99
46) Dibromomethane	7.66	93	51756	19.47	ug/l	99
47) Bromodichloromethane	7.90	83	97627	19.74	ug/l	99
48) Methyl methacrylate	7.77	41	84069	19.48	ug/l	99
49) 1,4-Dioxane	7.76	88	38646	394.40	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	544318	92.88	ug/l	99
52) Toluene	8.79	92	202206	20.26	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	107774	19.73	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	119988	20.17	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	80828	20.06	ug/l	98
56) Ethyl methacrylate	9.18	69	108406	19.76	ug/l	100
57) 1,3-Dichloropropane	9.37	76	134552	19.81	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	303563	108.00	ug/l	99
59) 2-Hexanone	9.50	43	411266	91.99	ug/l	99
60) Dibromochloromethane	9.59	129	76182	19.40	ug/l	99
61) 1,2-Dibromoethane	9.67	107	83222	19.96	ug/l	99
64) Tetrachloroethene	9.34	164	82782	19.44	ug/l	99
65) Chlorobenzene	10.14	112	212088	19.61	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	73269	19.64	ug/l	96
67) Ethyl Benzene	10.26	91	342822	19.51	ug/l	99
68) m/p-Xylenes	10.36	106	278042	40.47	ug/l	98
69) o-Xylene	10.70	106	129217	19.89	ug/l	97
70) Styrene	10.71	104	208597	19.83	ug/l	97
71) Bromoform	10.86	173	54716	18.19	ug/l	100
73) Isopropylbenzene	11.02	105	367973	20.68	ug/l	100
74) N-amyl acetate	10.90	43	133734	19.52	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	121611	19.53	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	110963m	20.14	ug/l	
77) Bromobenzene	11.26	156	99373	19.91	ug/l	97
78) n-propylbenzene	11.36	91	430389	21.03	ug/l	100
79) 2-Chlorotoluene	11.42	91	250954	19.92	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	296410	20.11	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	31026	18.27	ug/l	93
82) 4-Chlorotoluene	11.51	91	284734	19.21	ug/l	100
83) tert-Butylbenzene	11.77	119	302430	20.40	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	321707	21.27	ug/l	100
85) sec-Butylbenzene	11.94	105	355779	20.21	ug/l	100
86) p-Isopropyltoluene	12.07	119	337424	21.39	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	187829	19.99	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	192437	19.42	ug/l	99
89) n-Butylbenzene	12.39	91	254265	19.82	ug/l	97
90) Hexachloroethane	12.60	117	43093	19.54	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	174350	20.30	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21205	19.33	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	114507	18.32	ug/l	100
94) Hexachlorobutadiene	13.79	225	55908	19.14	ug/l	94
95) Naphthalene	13.83	128	341042	19.29	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131463	19.87	ug/l	96

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

