

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
 Data File : VX003304.D
 Acq On : 11 Jul 2018 01:03
 Operator : JC/MD
 Sample : VX0710WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/11/2018 3:09:30 PM

Quant Time: Jul 11 05:09:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	231624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	302387	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	274255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194036	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	186039	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	5.51	113	153900	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
50) Toluene-d8	8.72	98	567756	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
62) 4-Bromofluorobenzene	11.14	95	205595	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	71237	20.23	ug/l	100
3) Chloromethane	1.32	50	62441	19.50	ug/l	98
4) Vinyl Chloride	1.40	62	60498	18.41	ug/l	98
5) Bromomethane	1.64	94	23167	23.91	ug/l	99
6) Chloroethane	1.72	64	33503	18.40	ug/l	100
7) Trichlorofluoromethane	1.93	101	93914	19.23	ug/l	100
8) Diethyl Ether	2.19	74	31505	17.84	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53322	18.64	ug/l	95
10) Methyl Iodide	2.51	142	52981	20.53	ug/l	97
11) Tert butyl alcohol	3.08	59	70181	106.20	ug/l	98
12) 1,1-Dichloroethene	2.37	96	48329	18.57	ug/l	90
13) Acrolein	2.29	56	40010	75.13	ug/l	100
14) Allyl chloride	2.73	41	85105	17.65	ug/l	95
15) Acrylonitrile	3.15	53	143557	97.28	ug/l	99
16) Acetone	2.45	43	133882	103.45	ug/l	98
17) Carbon Disulfide	2.57	76	124666	17.24	ug/l	100
18) Methyl Acetate	2.78	43	79557	21.79	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	162085	18.64	ug/l	100
20) Methylene Chloride	2.86	84	53412	19.71	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	51560	18.58	ug/l	94
22) Diisopropyl ether	3.88	45	165657	16.89	ug/l	98
23) Vinyl Acetate	3.83	43	707425	84.95	ug/l	98
24) 1,1-Dichloroethane	3.70	63	94583	18.53	ug/l	99
25) 2-Butanone	4.71	43	238143	103.99	ug/l	95
26) 2,2-Dichloropropane	4.59	77	51431	11.52	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	66088	19.38	ug/l	90
28) Bromochloromethane	5.03	49	52681	20.48	ug/l	87
29) Tetrahydrofuran	5.17	42	149492	100.58	ug/l	96
30) Chloroform	5.22	83	110133	19.61	ug/l	99
31) Cyclohexane	5.57	56	90203	18.87	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	96148	19.41	ug/l	98
36) 1,1-Dichloropropene	5.80	75	78126	18.25	ug/l	98
37) Ethyl Acetate	4.87	43	88869	18.94	ug/l	98
38) Carbon Tetrachloride	5.79	117	87188	18.62	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	85623	16.98	ug/l	98
40) Benzene	6.15	78	238775	18.82	ug/l	99
41) Methacrylonitrile	5.07	41	49022	19.08	ug/l	95
42) 1,2-Dichloroethane	6.20	62	87680	18.50	ug/l	97
43) Isopropyl Acetate	6.48	43	135700	18.41	ug/l	96
44) Trichloroethene	7.22	130	70916	18.90	ug/l	98
45) 1,2-Dichloropropane	7.52	63	60793	18.43	ug/l	100
46) Dibromomethane	7.67	93	42050	18.71	ug/l	94
47) Bromodichloromethane	7.90	83	77195	18.61	ug/l	97
48) Methyl methacrylate	7.78	41	71156	18.83	ug/l	93
49) 1,4-Dioxane	7.76	88	31046	392.87	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	459144	100.08	ug/l	97
52) Toluene	8.79	92	153612	19.16	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	83589	17.13	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	75361	16.97	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	62744	18.86	ug/l	96
56) Ethyl methacrylate	9.18	69	85342	18.73	ug/l	91
57) 1,3-Dichloropropane	9.38	76	101548	18.95	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	228510	103.96	ug/l	97
59) 2-Hexanone	9.50	43	351513	100.88	ug/l	96
60) Dibromochloromethane	9.59	129	62431	17.97	ug/l	98
61) 1,2-Dibromoethane	9.68	107	66191	18.99	ug/l	100
64) Tetrachloroethene	9.34	164	87912	21.20	ug/l	97
65) Chlorobenzene	10.14	112	176098	18.90	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	64132	19.07	ug/l	99
67) Ethyl Benzene	10.26	91	286200	18.99	ug/l	99
68) m/p-Xylenes	10.36	106	226923	38.71	ug/l	98
69) o-Xylene	10.70	106	109470	19.27	ug/l	95
70) Styrene	10.71	104	177416	19.26	ug/l	99
71) Bromoform	10.86	173	48897	17.68	ug/l #	100
73) Isopropylbenzene	11.02	105	295206	19.27	ug/l	100
74) N-amyl acetate	6.48	43	135700	18.57	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	91072	19.17	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	89729m	21.40	ug/l	
77) Bromobenzene	11.26	156	85000	19.22	ug/l	94
78) n-propylbenzene	11.37	91	328483	19.28	ug/l	98
79) 2-Chlorotoluene	11.43	91	198464	19.13	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	245200	19.22	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	18755	14.62	ug/l	97
82) 4-Chlorotoluene	11.51	91	231152	19.08	ug/l	98
83) tert-Butylbenzene	11.77	119	234755	18.42	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	251292	19.24	ug/l	97
85) sec-Butylbenzene	11.95	105	284642	18.90	ug/l	99
86) p-Isopropyltoluene	12.07	119	262108	19.10	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	152518	18.80	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	152652	18.58	ug/l	99
89) n-Butylbenzene	12.39	91	204886	17.87	ug/l	99
90) Hexachloroethane	12.60	117	35947	17.16	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	152662	18.74	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19104	18.74	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	107811	18.18	ug/l	99
94) Hexachlorobutadiene	13.79	225	52164	17.67	ug/l	98
95) Naphthalene	13.84	128	294969	19.01	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	110247	18.64	ug/l	100

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

