

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050818\
 Data File : VX001531.D
 Acq On : 08 May 2018 23:48
 Operator : JC/MD
 Sample : VX0508WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:11:29 PM

Quant Time: May 09 07:42:59 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	225755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	297205	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200212	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	166252	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	5.51	113	131385	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	8.72	98	473631	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	11.14	95	176640	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	64325	21.17	ug/l	100
3) Chloromethane	1.32	50	61908	20.92	ug/l	100
4) Vinyl Chloride	1.40	62	66756	21.61	ug/l	97
5) Bromomethane	1.64	94	40345	26.95	ug/l	98
6) Chloroethane	1.72	64	43252	21.18	ug/l	96
7) Trichlorofluoromethane	1.93	101	100718	21.67	ug/l	98
8) Diethyl Ether	2.19	74	38683	21.23	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57216	20.99	ug/l	99
10) Methyl Iodide	2.51	142	72046	18.32	ug/l	100
11) Tert butyl alcohol	3.08	59	82058	119.94	ug/l	100
12) 1,1-Dichloroethene	2.37	96	54163	21.68	ug/l	97
13) Acrolein	2.30	56	14503	100.56	ug/l	99
14) Allyl chloride	2.73	41	98137	21.07	ug/l	99
15) Acrylonitrile	3.15	53	174567	112.92	ug/l	100
16) Acetone	2.45	43	160077	108.64	ug/l	99
17) Carbon Disulfide	2.57	76	124778	19.63	ug/l	99
18) Methyl Acetate	2.78	43	93810	24.23	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	188788	21.71	ug/l	99
20) Methylene Chloride	2.86	84	61786	21.18	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	58252	20.89	ug/l	98
22) Diisopropyl ether	3.88	45	180893	20.79	ug/l	99
23) Vinyl Acetate	3.83	43	741263	102.21	ug/l	100
24) 1,1-Dichloroethane	3.70	63	108418	22.30	ug/l	99
25) 2-Butanone	4.72	43	232744	109.28	ug/l	98
26) 2,2-Dichloropropane	4.59	77	55934	14.90	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	62634	21.10	ug/l	96
28) Bromochloromethane	5.03	49	46870	22.24	ug/l	97
29) Tetrahydrofuran	5.18	42	150811	110.67	ug/l	100
30) Chloroform	5.23	83	110545	22.08	ug/l	99
31) Cyclohexane	5.58	56	85042	20.37	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	95060	21.72	ug/l	98
36) 1,1-Dichloropropene	5.81	75	76128	20.14	ug/l	98
37) Ethyl Acetate	4.87	43	89427	21.58	ug/l	99
38) Carbon Tetrachloride	5.78	117	85730	21.26	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86426	19.34	ug/l	95
40) Benzene	6.15	78	234601	21.25	ug/l	98
41) Methacrylonitrile	5.07	41	50273	21.20	ug/l	98
42) 1,2-Dichloroethane	6.21	62	93433	22.01	ug/l	99
43) Isopropyl Acetate	6.48	43	135088	21.23	ug/l	99
44) Trichloroethene	7.22	130	71174	21.09	ug/l	96
45) 1,2-Dichloropropane	7.52	63	57342	20.83	ug/l	98
46) Dibromomethane	7.67	93	42160	21.63	ug/l	98
47) Bromodichloromethane	7.91	83	77382	21.45	ug/l	100
48) Methyl methacrylate	7.79	41	73393	21.19	ug/l	100
49) 1,4-Dioxane	7.76	88	32605	435.65	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	471898	111.63	ug/l	98
52) Toluene	8.79	92	153559	21.27	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	83284	20.43	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	74252	19.08	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	61787	21.24	ug/l	98
56) Ethyl methacrylate	9.19	69	86242	20.57	ug/l	99
57) 1,3-Dichloropropane	9.38	76	102929	21.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	231734	112.68	ug/l	99
59) 2-Hexanone	9.51	43	351287	108.51	ug/l	100
60) Dibromochloromethane	9.59	129	62478	20.97	ug/l	100
61) 1,2-Dibromoethane	9.68	107	65198	21.35	ug/l	99
64) Tetrachloroethene	9.34	164	85199	21.16	ug/l	98
65) Chlorobenzene	10.15	112	174573	20.60	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	63269	20.88	ug/l	99
67) Ethyl Benzene	10.26	91	282567	20.35	ug/l	99
68) m/p-Xylenes	10.37	106	224994	41.00	ug/l	99
69) o-Xylene	10.71	106	109515	20.54	ug/l	99
70) Styrene	10.72	104	178770	20.63	ug/l	100
71) Bromoform	10.86	173	48959	19.17	ug/l #	99
73) Isopropylbenzene	11.02	105	294704	21.26	ug/l	100
74) N-amyl acetate	6.48	43	135088	21.46	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	88446	21.61	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	87274m	21.49	ug/l	
77) Bromobenzene	11.26	156	83368	20.69	ug/l	99
78) n-propylbenzene	11.37	91	320583	21.24	ug/l	99
79) 2-Chlorotoluene	11.43	91	195857	21.09	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	246294	21.34	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	18671	17.69	ug/l	89
82) 4-Chlorotoluene	11.52	91	227787	21.26	ug/l	100
83) tert-Butylbenzene	11.77	119	235405	20.50	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	253556	21.38	ug/l	99
85) sec-Butylbenzene	11.95	105	290682	21.09	ug/l	100
86) p-Isopropyltoluene	12.07	119	265587	21.01	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	148713	20.65	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	150338	20.46	ug/l	99
89) n-Butylbenzene	12.40	91	202995	19.38	ug/l	100
90) Hexachloroethane	12.60	117	39365	20.68	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	153851	20.99	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20107	22.36	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	105605	19.69	ug/l	99
94) Hexachlorobutadiene	13.79	225	57664	19.65	ug/l	100
95) Naphthalene	13.84	128	314941	21.24	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	113267	20.58	ug/l	99

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

