

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002041.D
 Acq On : 27 May 2018 02:05
 Operator : JC/MD
 Sample : VX0526WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:50:12 PM

Quant Time: May 28 04:15:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	260595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	371680	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	221346	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	214296	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	
35) Dibromofluoromethane	5.51	113	163436	43.97	ug/l	0.00
Spiked Amount			Recovery	=	87.94%	
50) Toluene-d8	8.72	98	611980	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	
62) 4-Bromofluorobenzene	11.14	95	229856	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	65115	18.69	ug/l	98
3) Chloromethane	1.32	50	78725	19.63	ug/l	99
4) Vinyl Chloride	1.40	62	79327	20.49	ug/l	100
5) Bromomethane	1.64	94	49705	27.46	ug/l	96
6) Chloroethane	1.73	64	50565	22.16	ug/l	100
7) Trichlorofluoromethane	1.93	101	127273	21.89	ug/l	97
8) Diethyl Ether	2.19	74	48076	22.79	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69959	21.56	ug/l	97
10) Methyl Iodide	2.51	142	82091	18.70	ug/l	97
11) Tert butyl alcohol	3.08	59	113809	124.47	ug/l	98
12) 1,1-Dichloroethene	2.37	96	65443	21.55	ug/l	94
13) Acrolein	2.30	56	30063	76.04	ug/l	99
14) Allyl chloride	2.73	41	133887	21.00	ug/l	99
15) Acrylonitrile	3.15	53	210067	111.72	ug/l	99
16) Acetone	2.45	43	202622	112.71	ug/l	98
17) Carbon Disulfide	2.57	76	169918	19.44	ug/l	99
18) Methyl Acetate	2.78	43	107994	24.35	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	254702	22.29	ug/l	99
20) Methylene Chloride	2.86	84	73836	22.81	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	68008	22.12	ug/l	99
22) Diisopropyl ether	3.88	45	256903	19.81	ug/l	99
23) Vinyl Acetate	3.83	43	1109856	103.22	ug/l	100
24) 1,1-Dichloroethane	3.70	63	131224	21.30	ug/l	99
25) 2-Butanone	4.71	43	317161	96.26	ug/l	98
26) 2,2-Dichloropropane	4.59	77	76680	12.30	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	76117	19.22	ug/l	98
28) Bromochloromethane	5.03	49	58016	21.24	ug/l	100
29) Tetrahydrofuran	5.17	42	207124	96.62	ug/l	100
30) Chloroform	5.22	83	133245	19.20	ug/l	100
31) Cyclohexane	5.58	56	117304	18.28	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	121428	18.77	ug/l	100
36) 1,1-Dichloropropene	5.81	75	94355	18.25	ug/l	98
37) Ethyl Acetate	4.87	43	125179	18.57	ug/l	99
38) Carbon Tetrachloride	5.79	117	108110	17.93	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	111298	17.52	ug/l	98
40) Benzene	6.15	78	288560	19.05	ug/l	98
41) Methacrylonitrile	5.07	41	69940	18.81	ug/l	99
42) 1,2-Dichloroethane	6.20	62	112843	18.65	ug/l	100
43) Isopropyl Acetate	6.47	43	206903	18.42	ug/l	99
44) Trichloroethene	7.22	130	81852	18.54	ug/l	93
45) 1,2-Dichloropropane	7.53	63	79112	19.23	ug/l	94
46) Dibromomethane	7.67	93	52234	19.18	ug/l	98
47) Bromodichloromethane	7.90	83	103828	17.88	ug/l	97
48) Methyl methacrylate	7.78	41	103691	18.14	ug/l	99
49) 1,4-Dioxane	7.76	88	39951	396.64	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	655367	96.81	ug/l	99
52) Toluene	8.79	92	181595	18.84	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	114230	17.08	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	107585	16.51	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	76762	19.06	ug/l	99
56) Ethyl methacrylate	9.18	69	126544	18.27	ug/l	100
57) 1,3-Dichloropropane	9.38	76	126807	19.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	295481	96.25	ug/l	99
59) 2-Hexanone	9.50	43	500765	95.93	ug/l	100
60) Dibromochloromethane	9.59	129	83432	17.49	ug/l	99
61) 1,2-Dibromoethane	9.68	107	78532	18.59	ug/l	97
64) Tetrachloroethene	9.34	164	92840	18.96	ug/l	99
65) Chlorobenzene	10.14	112	204599	18.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	80608	18.45	ug/l	99
67) Ethyl Benzene	10.26	91	355919	18.94	ug/l	99
68) m/p-Xylenes	10.37	106	273319	38.04	ug/l	98
69) o-Xylene	10.70	106	135279	18.86	ug/l	99
70) Styrene	10.72	104	221047	18.58	ug/l	99
71) Bromoform	10.86	173	67798	16.37	ug/l #	99
73) Isopropylbenzene	11.02	105	362667	19.35	ug/l	100
74) N-amyl acetate	6.47	43	206903	19.34	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	109742	20.66	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	113067m	21.27	ug/l	
77) Bromobenzene	11.26	156	96497	19.40	ug/l	97
78) n-propylbenzene	11.37	91	396178	18.87	ug/l	100
79) 2-Chlorotoluene	11.43	91	243080	19.71	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	301781	18.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	32195	14.55	ug/l	94
82) 4-Chlorotoluene	11.52	91	278852	18.83	ug/l	100
83) tert-Butylbenzene	11.77	119	298147	18.97	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	314486	19.00	ug/l	99
85) sec-Butylbenzene	11.95	105	358694	18.98	ug/l	100
86) p-Isopropyltoluene	12.07	119	313726	18.55	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	167522	18.81	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	166082	18.65	ug/l	98
89) n-Butylbenzene	12.39	91	256056	17.87	ug/l	99
90) Hexachloroethane	12.60	117	57012	17.09	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	175677	19.36	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	28700	17.22	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	118666	18.29	ug/l	99
94) Hexachlorobutadiene	13.79	225	63372	18.16	ug/l	100
95) Naphthalene	13.84	128	380898	19.05	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	126031	18.77	ug/l	100

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

