

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002042.D
 Acq On : 27 May 2018 02:32
 Operator : JC/MD
 Sample : VX0526WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:50:13 PM

Quant Time: May 28 04:17:21 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	250716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	358317	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212561	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	208145	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	5.51	113	160554	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	
50) Toluene-d8	8.72	98	590256	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
62) 4-Bromofluorobenzene	11.14	95	224243	44.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59747	17.73	ug/l	99
3) Chloromethane	1.32	50	75121	19.47	ug/l	98
4) Vinyl Chloride	1.40	62	75425	20.25	ug/l	100
5) Bromomethane	1.64	94	48426	27.82	ug/l	97
6) Chloroethane	1.73	64	48620	22.14	ug/l	99
7) Trichlorofluoromethane	1.93	101	121727	21.76	ug/l	98
8) Diethyl Ether	2.19	74	46967	23.14	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	66918	21.44	ug/l	98
10) Methyl Iodide	2.51	142	84839	20.09	ug/l	98
11) Tert butyl alcohol	3.08	59	108544	123.39	ug/l	99
12) 1,1-Dichloroethene	2.37	96	62050	21.23	ug/l	96
13) Acrolein	2.30	56	29490	77.53	ug/l	96
14) Allyl chloride	2.73	41	130493	21.27	ug/l	99
15) Acrylonitrile	3.15	53	209273	115.69	ug/l	100
16) Acetone	2.45	43	199650	115.43	ug/l	99
17) Carbon Disulfide	2.57	76	164296	19.53	ug/l	99
18) Methyl Acetate	2.78	43	106609	25.02	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	252183	22.94	ug/l	99
20) Methylene Chloride	2.86	84	71907	23.12	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	67156	22.74	ug/l	99
22) Diisopropyl ether	3.88	45	253211	20.29	ug/l	99
23) Vinyl Acetate	3.83	43	1106789	106.99	ug/l	98
24) 1,1-Dichloroethane	3.70	63	128525	21.68	ug/l	99
25) 2-Butanone	4.71	43	315636	99.57	ug/l	99
26) 2,2-Dichloropropane	4.59	77	72973	12.16	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	74871	19.65	ug/l	99
28) Bromochloromethane	5.02	49	56637	21.58	ug/l	99
29) Tetrahydrofuran	5.17	42	202358	98.12	ug/l	99
30) Chloroform	5.22	83	129888	19.45	ug/l	98
31) Cyclohexane	5.58	56	113216	18.33	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	118645	19.06	ug/l	99
36) 1,1-Dichloropropene	5.80	75	90314	18.12	ug/l	99
37) Ethyl Acetate	4.87	43	123344	18.98	ug/l	99
38) Carbon Tetrachloride	5.79	117	103967	17.89	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	109215	17.84	ug/l	94
40) Benzene	6.15	78	277636	19.01	ug/l	100
41) Methacrylonitrile	5.07	41	70194	19.64	ug/l	98
42) 1,2-Dichloroethane	6.20	62	112238	19.24	ug/l	100
43) Isopropyl Acetate	6.47	43	204684	18.91	ug/l	100
44) Trichloroethene	7.22	130	78622	18.48	ug/l	94
45) 1,2-Dichloropropane	7.52	63	76327	19.25	ug/l	98
46) Dibromomethane	7.67	93	51376	19.57	ug/l	99
47) Bromodichloromethane	7.90	83	100946	18.03	ug/l	98
48) Methyl methacrylate	7.78	41	103961	18.87	ug/l	99
49) 1,4-Dioxane	7.76	88	40808	420.26	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	648893	99.42	ug/l	99
52) Toluene	8.79	92	178510	19.21	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	111990	17.37	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	106444	16.94	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	74793	19.27	ug/l	99
56) Ethyl methacrylate	9.19	69	124285	18.61	ug/l	99
57) 1,3-Dichloropropane	9.38	76	124512	19.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	291278	98.42	ug/l	100
59) 2-Hexanone	9.50	43	495261	98.42	ug/l	100
60) Dibromochloromethane	9.59	129	82468	17.94	ug/l	99
61) 1,2-Dibromoethane	9.68	107	78781	19.34	ug/l	99
64) Tetrachloroethene	9.34	164	90626	19.19	ug/l	98
65) Chlorobenzene	10.14	112	197936	18.97	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	78474	18.62	ug/l	99
67) Ethyl Benzene	10.26	91	344702	19.01	ug/l	99
68) m/p-Xylenes	10.37	106	259523	37.45	ug/l	99
69) o-Xylene	10.70	106	132235	19.11	ug/l	100
70) Styrene	10.72	104	215099	18.74	ug/l	100
71) Bromoform	10.86	173	65887	16.49	ug/l	100
73) Isopropylbenzene	11.02	105	352778	19.60	ug/l	99
74) N-amyl acetate	6.47	43	204684	20.03	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	109377	21.50	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	113655m	22.26	ug/l	
77) Bromobenzene	11.26	156	94139	19.71	ug/l	97
78) n-propylbenzene	11.37	91	382583	18.98	ug/l	100
79) 2-Chlorotoluene	11.43	91	236322	19.99	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	292278	19.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	31800	14.97	ug/l	93
82) 4-Chlorotoluene	11.51	91	269667	18.97	ug/l	100
83) tert-Butylbenzene	11.77	119	290349	19.23	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	300714	18.92	ug/l	100
85) sec-Butylbenzene	11.95	105	345074	19.02	ug/l	100
86) p-Isopropyltoluene	12.07	119	306027	18.85	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	164372	19.22	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	163288	19.10	ug/l	100
89) n-Butylbenzene	12.39	91	247031	17.95	ug/l	99
90) Hexachloroethane	12.60	117	54820	17.12	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	170643	19.58	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	27898	17.43	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	113942	18.29	ug/l	98
94) Hexachlorobutadiene	13.79	225	61132	18.24	ug/l	99
95) Naphthalene	13.84	128	372311	19.39	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	122631	19.02	ug/l	99

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

