

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052718\
 Data File : VX002064.D
 Acq On : 27 May 2018 13:19
 Operator : JC/MD
 Sample : VX0527WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:50:35 PM

Quant Time: May 29 07:34:36 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	240157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	333741	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	203988	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	204196	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	5.51	113	156011	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
50) Toluene-d8	8.72	98	579371	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.14	95	221996	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	57943	17.98	ug/l	97
3) Chloromethane	1.32	50	89338	24.18	ug/l	99
4) Vinyl Chloride	1.40	62	72263	20.25	ug/l	99
5) Bromomethane	1.64	94	38631	23.00	ug/l	97
6) Chloroethane	1.73	64	46033	21.89	ug/l	97
7) Trichlorofluoromethane	1.93	101	116000	21.65	ug/l	99
8) Diethyl Ether	2.19	74	45235	23.27	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	65910	22.04	ug/l	97
10) Methyl Iodide	2.51	142	67121	16.59	ug/l	98
11) Tert butyl alcohol	3.07	59	99190	117.71	ug/l	98
12) 1,1-Dichloroethene	2.38	96	59467	21.24	ug/l	100
13) Acrolein	2.29	56	25801	70.82	ug/l	95
14) Allyl chloride	2.73	41	131062	22.31	ug/l	98
15) Acrylonitrile	3.15	53	199367	115.05	ug/l	100
16) Acetone	2.45	43	197364	119.13	ug/l	99
17) Carbon Disulfide	2.57	76	153943	19.11	ug/l	99
18) Methyl Acetate	2.78	43	104310	25.58	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	241966	22.98	ug/l	98
20) Methylene Chloride	2.86	84	78190	26.47	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	62964	22.23	ug/l	95
22) Diisopropyl ether	3.87	45	240464	20.12	ug/l	96
23) Vinyl Acetate	3.82	43	1061254	107.10	ug/l	98
24) 1,1-Dichloroethane	3.70	63	123125	21.69	ug/l	99
25) 2-Butanone	4.71	43	293296	96.59	ug/l	100
26) 2,2-Dichloropropane	4.59	77	107081	18.63	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	71352	19.55	ug/l	84
28) Bromochloromethane	5.03	49	53676	21.33	ug/l	99
29) Tetrahydrofuran	5.17	42	187306	94.81	ug/l	99
30) Chloroform	5.22	83	123646	19.33	ug/l	97
31) Cyclohexane	5.58	56	108782	18.39	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	112264	18.83	ug/l	99
36) 1,1-Dichloropropene	5.80	75	86007	18.53	ug/l	98
37) Ethyl Acetate	4.86	43	113733	18.79	ug/l	100
38) Carbon Tetrachloride	5.79	117	98590	18.21	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	107776	18.90	ug/l	96
40) Benzene	6.15	78	269609	19.82	ug/l	100
41) Methacrylonitrile	5.06	41	65016	19.53	ug/l	98
42) 1,2-Dichloroethane	6.20	62	105754	19.47	ug/l	99
43) Isopropyl Acetate	6.47	43	194144	19.25	ug/l	99
44) Trichloroethene	7.22	130	77381	19.52	ug/l	100
45) 1,2-Dichloropropane	7.52	63	74593	20.20	ug/l	97
46) Dibromomethane	7.67	93	50154	20.51	ug/l	98
47) Bromodichloromethane	7.90	83	96077	18.43	ug/l	99
48) Methyl methacrylate	7.78	41	99427	19.37	ug/l	99
49) 1,4-Dioxane	7.76	88	36746	406.29	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	609505	100.27	ug/l	99
52) Toluene	8.79	92	171333	19.80	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	115706	19.27	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	109449	18.70	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	71861	19.87	ug/l	99
56) Ethyl methacrylate	9.18	69	119099	19.15	ug/l	98
57) 1,3-Dichloropropane	9.38	76	121695	20.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	293669	106.54	ug/l	100
59) 2-Hexanone	9.50	43	470506	100.38	ug/l	99
60) Dibromochloromethane	9.59	129	79939	18.67	ug/l	99
61) 1,2-Dibromoethane	9.68	107	76020	20.04	ug/l	100
64) Tetrachloroethene	9.34	164	86505	19.38	ug/l	99
65) Chlorobenzene	10.14	112	194649	19.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	75025	18.84	ug/l	100
67) Ethyl Benzene	10.26	91	330920	19.31	ug/l	99
68) m/p-Xylenes	10.36	106	253864	38.75	ug/l	100
69) o-Xylene	10.70	106	126817	19.39	ug/l	100
70) Styrene	10.72	104	211544	19.50	ug/l	99
71) Bromoform	10.86	173	63095	16.71	ug/l	98
73) Isopropylbenzene	11.02	105	339748	19.67	ug/l	100
74) N-amyl acetate	6.47	43	194144	19.76	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	104704	21.44	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	95780m	19.55	ug/l	
77) Bromobenzene	11.26	156	90558	19.76	ug/l	97
78) n-propylbenzene	11.37	91	378492	19.56	ug/l	100
79) 2-Chlorotoluene	11.43	91	231346	20.44	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	286713	19.42	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	34213	16.78	ug/l	92
82) 4-Chlorotoluene	11.51	91	264742	19.40	ug/l	100
83) tert-Butylbenzene	11.77	119	280047	19.33	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	294064	19.28	ug/l	99
85) sec-Butylbenzene	11.95	105	335897	19.29	ug/l	99
86) p-Isopropyltoluene	12.07	119	300963	19.31	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	162246	19.77	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	162544	19.81	ug/l	100
89) n-Butylbenzene	12.39	91	252833	19.15	ug/l	99
90) Hexachloroethane	12.60	117	51897	16.88	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	167318	20.01	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	25847	16.83	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	116850	19.54	ug/l	99
94) Hexachlorobutadiene	13.79	225	62447	19.41	ug/l	100
95) Naphthalene	13.84	128	364988	19.81	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	121666	19.66	ug/l	99

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

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