

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002182.D
 Acq On : 31 May 2018 17:27
 Operator : JC/MD
 Sample : VX0531WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/1/2018 6:37:09 PM

Quant Time: Jun 01 03:39:37 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	202943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	303666	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	281520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179445	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	163418	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
35) Dibromofluoromethane	5.51	113	122632	40.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.76%	
50) Toluene-d8	8.72	98	445213	40.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.00%	
62) 4-Bromofluorobenzene	11.14	95	173206	40.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	39921	14.265	ug/l	98
3) Chloromethane	1.32	50	57685	18.474	ug/l	99
4) Vinyl Chloride	1.41	62	58771	19.493	ug/l	99
5) Bromomethane	1.64	94	36236	25.642	ug/l	96
6) Chloroethane	1.72	64	39958	22.482	ug/l	97
7) Trichlorofluoromethane	1.93	101	93723	20.700	ug/l	98
8) Diethyl Ether	2.19	74	40242	24.496	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	51552	20.404	ug/l	97
10) Methyl Iodide	2.51	142	51225	14.984	ug/l	97
11) Tert butyl alcohol	3.08	59	88643	124.486	ug/l	99
12) 1,1-Dichloroethene	2.37	96	49676	21.000	ug/l	94
13) Acrolein	2.30	56	27294	88.653	ug/l	99
14) Allyl chloride	2.73	41	114665	23.093	ug/l	97
15) Acrylonitrile	3.15	53	180963	123.584	ug/l	100
16) Acetone	2.45	43	187479	133.913	ug/l	100
17) Carbon Disulfide	2.57	76	114683	16.846	ug/l	100
18) Methyl Acetate	2.78	43	93086	27.079	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	217567	24.454	ug/l	99
20) Methylene Chloride	2.86	84	64220	25.682	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	55177	23.110	ug/l	99
22) Diisopropyl ether	3.88	45	207875	20.582	ug/l	99
23) Vinyl Acetate	3.83	43	901787	107.691	ug/l	98
24) 1,1-Dichloroethane	3.70	63	104729	21.829	ug/l	99
25) 2-Butanone	4.71	43	255314	99.500	ug/l	99
26) 2,2-Dichloropropane	4.59	77	80868	16.653	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	60589	19.643	ug/l	90
28) Bromochloromethane	5.03	49	56434	27.055	ug/l	99
29) Tetrahydrofuran	5.17	42	163737	98.078	ug/l	100
30) Chloroform	5.22	83	107408	19.871	ug/l	96
31) Cyclohexane	5.57	56	82385	16.482	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	89126	17.687	ug/l	98
36) 1,1-Dichloropropene	5.80	75	70812	16.765	ug/l	99
37) Ethyl Acetate	4.87	43	99083	17.993	ug/l	98
38) Carbon Tetrachloride	5.79	117	74151	15.054	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82115	15.824	ug/l	98
40) Benzene	6.15	78	232266	18.770	ug/l	97
41) Methacrylonitrile	5.07	41	55725	18.314	ug/l	98
42) 1,2-Dichloroethane	6.20	62	95400	19.300	ug/l	98
43) Isopropyl Acetate	6.47	43	161922	17.647	ug/l	100
44) Trichloroethene	7.22	130	62312	17.280	ug/l	97
45) 1,2-Dichloropropane	7.52	63	63664	18.944	ug/l	98
46) Dibromomethane	7.67	93	41784	18.779	ug/l	99
47) Bromodichloromethane	7.90	83	75693	15.955	ug/l	95
48) Methyl methacrylate	7.78	41	83567	17.895	ug/l	98
49) 1,4-Dioxane	7.76	88	32520	395.179	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	532689	96.309	ug/l	99
52) Toluene	8.79	92	149483	18.981	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	92361	16.903	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	83866	15.751	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	62397	18.966	ug/l	98
56) Ethyl methacrylate	9.19	69	100270	17.719	ug/l	99
57) 1,3-Dichloropropane	9.38	76	105387	19.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	224827	89.640	ug/l	100
59) 2-Hexanone	9.50	43	405132	94.994	ug/l	99
60) Dibromochloromethane	9.59	129	58659	15.053	ug/l	100
61) 1,2-Dibromoethane	9.68	107	63141	18.291	ug/l	98
64) Tetrachloroethene	9.34	164	70889	17.562	ug/l	99
65) Chlorobenzene	10.14	112	169771	19.034	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	60658	16.842	ug/l	99
67) Ethyl Benzene	10.26	91	283615	18.302	ug/l	99
68) m/p-Xylenes	10.37	106	217550	36.724	ug/l	100
69) o-Xylene	10.70	106	110371	18.660	ug/l	99
70) Styrene	10.71	104	178276	18.174	ug/l	100
71) Bromoform	10.86	173	44010	12.887	ug/l #	100
73) Isopropylbenzene	11.02	105	284963	18.753	ug/l	99
74) N-amyl acetate	6.47	43	161922	18.557	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	90849	21.128	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	92458m	21.451	ug/l	
77) Bromobenzene	11.26	156	78515	19.475	ug/l	97
78) n-propylbenzene	11.37	91	313053	18.394	ug/l	99
79) 2-Chlorotoluene	11.43	91	196689	19.669	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	241786	18.619	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	23705	13.218	ug/l #	81
82) 4-Chlorotoluene	11.51	91	227987	18.993	ug/l	100
83) tert-Butylbenzene	11.77	119	234078	18.369	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	249345	18.580	ug/l	100
85) sec-Butylbenzene	11.95	105	277321	18.104	ug/l	100
86) p-Isopropyltoluene	12.07	119	248589	18.135	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	137285	19.014	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	139431	19.316	ug/l	99
89) n-Butylbenzene	12.39	91	202368	17.423	ug/l	98
90) Hexachloroethane	12.60	117	35961	13.300	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	143137	19.457	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20021	14.819	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	95593	18.172	ug/l	99
94) Hexachlorobutadiene	13.79	225	46869	16.563	ug/l	99
95) Naphthalene	13.84	128	307660	18.983	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	99617	18.302	ug/l	98

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

