

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050818\
 Data File : VX001527.D
 Acq On : 08 May 2018 21:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:11:27 PM

Quant Time: May 09 07:37:04 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	228153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	299503	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	211883	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	161258	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	5.51	113	131107	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	8.72	98	481749	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.14	95	183475	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	160798	52.35	ug/l	100
3) Chloromethane	1.32	50	150680	50.37	ug/l	99
4) Vinyl Chloride	1.40	62	159588	51.12	ug/l	99
5) Bromomethane	1.64	94	70564	49.34	ug/l	100
6) Chloroethane	1.72	64	109088	52.87	ug/l	99
7) Trichlorofluoromethane	1.92	101	248575	52.91	ug/l	100
8) Diethyl Ether	2.19	74	96712	52.52	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	141925	51.53	ug/l	100
10) Methyl Iodide	2.51	142	197533	49.70	ug/l	100
11) Tert butyl alcohol	3.09	59	194037	280.64	ug/l	99
12) 1,1-Dichloroethene	2.37	96	133059	52.70	ug/l	97
13) Acrolein	2.30	56	34520	253.43	ug/l	98
14) Allyl chloride	2.73	41	249288	52.96	ug/l	99
15) Acrylonitrile	3.15	53	428876	274.50	ug/l	99
16) Acetone	2.45	43	394435	264.89	ug/l	98
17) Carbon Disulfide	2.57	76	323836	50.40	ug/l	100
18) Methyl Acetate	2.78	43	228335	58.37	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	470744	53.56	ug/l	99
20) Methylene Chloride	2.86	84	149432	50.68	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	142892	50.72	ug/l	97
22) Diisopropyl ether	3.88	45	457814	52.05	ug/l	99
23) Vinyl Acetate	3.83	43	1888984	257.72	ug/l	100
24) 1,1-Dichloroethane	3.70	63	266254	54.20	ug/l	99
25) 2-Butanone	4.72	43	586052	272.27	ug/l	99
26) 2,2-Dichloropropane	4.59	77	168060	44.30	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	157212	52.39	ug/l	95
28) Bromochloromethane	5.03	49	109694	51.50	ug/l	98
29) Tetrahydrofuran	5.18	42	378229	274.64	ug/l	100
30) Chloroform	5.22	83	276703	54.68	ug/l	98
31) Cyclohexane	5.57	56	219482	52.02	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	244864	55.36	ug/l	99
36) 1,1-Dichloropropene	5.80	75	195736	51.38	ug/l	99
37) Ethyl Acetate	4.87	43	222341	53.24	ug/l	99
38) Carbon Tetrachloride	5.79	117	221123	54.42	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	228192	50.66	ug/l	98
40) Benzene	6.15	78	591994	53.20	ug/l	99
41) Methacrylonitrile	5.07	41	128304	53.70	ug/l	98
42) 1,2-Dichloroethane	6.20	62	227995	53.31	ug/l	100
43) Isopropyl Acetate	6.48	43	354088	55.23	ug/l	100
44) Trichloroethene	7.22	130	179120	52.66	ug/l	100
45) 1,2-Dichloropropane	7.53	63	148395	53.49	ug/l	99
46) Dibromomethane	7.67	93	105216	53.57	ug/l	99
47) Bromodichloromethane	7.91	83	203134	55.89	ug/l	100
48) Methyl methacrylate	7.79	41	190567	54.59	ug/l	99
49) 1,4-Dioxane	7.76	88	84386	1118.88	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1212617	284.64	ug/l	99
52) Toluene	8.79	92	393160	54.03	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	229686	55.92	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	206294	48.64	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	155658	53.10	ug/l	98
56) Ethyl methacrylate	9.19	69	234173	55.42	ug/l	100
57) 1,3-Dichloropropane	9.38	76	259421	53.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	591433	285.36	ug/l	99
59) 2-Hexanone	9.51	43	919610	281.89	ug/l	99
60) Dibromochloromethane	9.59	129	171787	57.23	ug/l	99
61) 1,2-Dibromoethane	9.68	107	168430	54.72	ug/l	100
64) Tetrachloroethene	9.34	164	218524	54.53	ug/l	99
65) Chlorobenzene	10.15	112	444625	52.73	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	166545	55.22	ug/l	99
67) Ethyl Benzene	10.26	91	737700	53.38	ug/l	99
68) m/p-Xylenes	10.37	106	593614	108.71	ug/l	100
69) o-Xylene	10.71	106	291158	54.86	ug/l	100
70) Styrene	10.72	104	482561	55.97	ug/l	99
71) Bromoform	10.87	173	140750	48.63	ug/l #	100
73) Isopropylbenzene	11.02	105	777915	53.03	ug/l	99
74) N-amyl acetate	6.48	43	354088	53.15	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	228071	52.65	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	226371m	52.68	ug/l	
77) Bromobenzene	11.26	156	219326	51.43	ug/l	99
78) n-propylbenzene	11.37	91	858866	53.77	ug/l	99
79) 2-Chlorotoluene	11.43	91	513938	52.29	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	650755	53.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	61117	45.75	ug/l	98
82) 4-Chlorotoluene	11.52	91	600705	52.98	ug/l	100
83) tert-Butylbenzene	11.77	119	650078	53.50	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	674375	53.73	ug/l	99
85) sec-Butylbenzene	11.95	105	787692	54.01	ug/l	99
86) p-Isopropyltoluene	12.07	119	723567	54.08	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	393858	51.67	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	401383	51.62	ug/l	100
89) n-Butylbenzene	12.40	91	584856	52.75	ug/l	100
90) Hexachloroethane	12.60	117	111779	55.48	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	404612	52.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	55130	57.92	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	297069	52.34	ug/l	99
94) Hexachlorobutadiene	13.79	225	155672	50.13	ug/l	100
95) Naphthalene	13.84	128	878441	55.97	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	314388	53.99	ug/l	99

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

