

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031518\
 Data File : VX000341.D
 Acq On : 15 Mar 2018 20:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 3/16/2018 3:43:29 PM

Quant Time: Mar 16 04:32:53 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 03:39:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	121634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	201261	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	204857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	126953	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	78270	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	5.51	113	62261	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	8.73	98	250658	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
62) 4-Bromofluorobenzene	11.15	95	98767	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	58317	44.51	ug/l	97
3) Chloromethane	1.32	50	62882	47.08	ug/l	96
4) Vinyl Chloride	1.41	62	75835	50.69	ug/l	97
5) Bromomethane	1.64	94	103553	62.03	ug/l	97
6) Chloroethane	1.72	64	50658	47.64	ug/l	99
7) Trichlorofluoromethane	1.93	101	133911	51.54	ug/l	100
8) Diethyl Ether	2.20	74	47286	51.12	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	71676	51.23	ug/l	98
10) Methyl Iodide	2.52	142	67775	47.94	ug/l	99
11) Tert butyl alcohol	3.08	59	149078	273.82	ug/l	99
12) 1,1-Dichloroethene	2.38	96	66751	50.27	ug/l	96
13) Acrolein	2.30	56	68695	293.28	ug/l	97
14) Allyl chloride	2.73	41	121412	51.28	ug/l	99
15) Acrylonitrile	3.16	53	284650	271.15	ug/l	99
16) Acetone	2.45	43	305347	271.77	ug/l	97
17) Carbon Disulfide	2.57	76	187981	48.47	ug/l	98
18) Methyl Acetate	2.78	43	138329	55.02	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	246074	52.64	ug/l	98
20) Methylene Chloride	2.86	84	76077	52.30	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	72524	49.41	ug/l	98
22) Diisopropyl ether	3.89	45	186367	47.29	ug/l	98
23) Vinyl Acetate	3.84	43	899913	239.60	ug/l	99
24) 1,1-Dichloroethane	3.71	63	130229	52.53	ug/l	98
25) 2-Butanone	4.72	43	368370	274.32	ug/l	99
26) 2,2-Dichloropropane	4.60	77	88000	49.18	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	66423	49.54	ug/l	98
28) Bromochloromethane	5.04	49	50170	48.15	ug/l	100
29) Tetrahydrofuran	5.18	42	238171	275.57	ug/l	99
30) Chloroform	5.23	83	122316	52.26	ug/l	95
31) Cyclohexane	5.59	56	95168	50.03	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	109140	52.77	ug/l	100
36) 1,1-Dichloropropene	5.81	75	89803	49.11	ug/l	99
37) Ethyl Acetate	4.87	43	126562	52.07	ug/l	99
38) Carbon Tetrachloride	5.80	117	95650	51.88	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	105912	49.66	ug/l	94
40) Benzene	6.15	78	264122	50.91	ug/l	97
41) Methacrylonitrile	5.08	41	66151	51.84	ug/l	99
42) 1,2-Dichloroethane	6.21	62	104976	51.05	ug/l	100
43) Isopropyl Acetate	6.48	43	190894	54.42	ug/l	99
44) Trichloroethene	7.22	130	73130	48.65	ug/l	94
45) 1,2-Dichloropropane	7.52	63	67620	52.85	ug/l	99
46) Dibromomethane	7.67	93	52214	50.80	ug/l	98
47) Bromodichloromethane	7.91	83	98832	54.17	ug/l	99
48) Methyl methacrylate	7.79	41	93231	52.57	ug/l	100
49) 1,4-Dioxane	7.77	88	41016	1027.85	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	753875	276.74	ug/l	100
52) Toluene	8.79	92	185829	50.99	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	113211	53.76	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	110518	53.67	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	75515	51.64	ug/l	98
56) Ethyl methacrylate	9.19	69	119609	55.24	ug/l	98
57) 1,3-Dichloropropane	9.38	76	122617	51.76	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	276518	298.96	ug/l	98
59) 2-Hexanone	9.51	43	643937	280.57	ug/l	98
60) Dibromochloromethane	9.59	129	83925	54.28	ug/l	98
61) 1,2-Dibromoethane	9.68	107	84909	52.38	ug/l	99
64) Tetrachloroethene	9.35	164	71083	54.14	ug/l	95
65) Chlorobenzene	10.15	112	215008	51.54	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	76371	54.43	ug/l	98
67) Ethyl Benzene	10.26	91	371796	52.27	ug/l	99
68) m/p-Xylenes	10.37	106	301401	108.77	ug/l	99
69) o-Xylene	10.71	106	146490	54.42	ug/l	98
70) Styrene	10.72	104	249019	55.75	ug/l	98
71) Bromoform	10.87	173	67757	47.84	ug/l #	95
73) Isopropylbenzene	11.02	105	400578	52.39	ug/l	99
74) N-amyl acetate	6.48	43	190894	52.15	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.28	83	141384	51.94	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	124745m	54.58	ug/l	
77) Bromobenzene	11.26	156	99765	49.71	ug/l	99
78) n-propylbenzene	11.37	91	457711	49.64	ug/l	99
79) 2-Chlorotoluene	11.43	91	269424	51.49	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	349351	53.63	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	41090	48.90	ug/l	97
82) 4-Chlorotoluene	11.52	91	336547	52.33	ug/l	99
83) tert-Butylbenzene	11.78	119	340732	53.62	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	363827	54.33	ug/l	100
85) sec-Butylbenzene	11.96	105	427106	53.69	ug/l	99
86) p-Isopropyltoluene	12.07	119	386410	54.58	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	196052	49.78	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	207758	50.76	ug/l	99
89) n-Butylbenzene	12.40	91	344005	49.97	ug/l	99
90) Hexachloroethane	12.60	117	60179	52.99	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	200512	52.56	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40606	55.11	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	130558	47.51	ug/l	99
94) Hexachlorobutadiene	13.79	225	53127	49.01	ug/l	99
95) Naphthalene	13.84	128	506611	53.13	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	134141	48.32	ug/l	100

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

