

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032218\
 Data File : VX000420.D
 Acq On : 22 Mar 2018 21:10
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 3/23/2018 1:53:12 PM

Quant Time: Mar 23 07:16:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	105206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	173319	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	178577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104212	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	76560	55.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.50%	
35) Dibromofluoromethane	5.51	113	59561	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
50) Toluene-d8	8.73	98	243319	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
62) 4-Bromofluorobenzene	11.15	95	92834	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	53445	46.09	ug/l	98
3) Chloromethane	1.32	50	45089	36.91	ug/l	95
4) Vinyl Chloride	1.41	62	68801	53.31	ug/l	100
5) Bromomethane	1.64	94	70915	45.90	ug/l	99
6) Chloroethane	1.72	64	45455	58.10	ug/l	98
7) Trichlorofluoromethane	1.93	101	123925	53.20	ug/l	100
8) Diethyl Ether	2.20	74	45053	54.12	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	70333	54.14	ug/l	98
10) Methyl Iodide	2.51	142	27882	24.09	ug/l	99
11) Tert butyl alcohol	3.08	59	131260	277.87	ug/l	99
12) 1,1-Dichloroethene	2.37	96	63579	55.75	ug/l	96
13) Acrolein	2.30	56	30534	205.22	ug/l	99
14) Allyl chloride	2.73	41	116483	57.85	ug/l	98
15) Acrylonitrile	3.16	53	260387	272.16	ug/l	100
16) Acetone	2.45	43	280363	245.41	ug/l	97
17) Carbon Disulfide	2.57	76	158729	52.33	ug/l	98
18) Methyl Acetate	2.79	43	136807	57.12	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	234860	55.69	ug/l	99
20) Methylene Chloride	2.86	84	70932	53.76	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	67065	52.72	ug/l	96
22) Diisopropyl ether	3.89	45	173079	48.55	ug/l	97
23) Vinyl Acetate	3.84	43	823296	243.62	ug/l	100
24) 1,1-Dichloroethane	3.70	63	123241	54.99	ug/l	99
25) 2-Butanone	4.72	43	325304	253.33	ug/l	99
26) 2,2-Dichloropropane	4.59	77	77529	49.35	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	60242	50.67	ug/l	98
28) Bromochloromethane	5.03	49	48589	52.57	ug/l	97
29) Tetrahydrofuran	5.18	42	206317	261.14	ug/l	99
30) Chloroform	5.23	83	112905	53.75	ug/l	96
31) Cyclohexane	5.59	56	85142	49.14	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	99279	52.39	ug/l	99
36) 1,1-Dichloropropene	5.81	75	78827	48.55	ug/l	98
37) Ethyl Acetate	4.88	43	111481	50.27	ug/l	99
38) Carbon Tetrachloride	5.79	117	85975	50.48	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	96133	48.69	ug/l	97
40) Benzene	6.15	78	243034	51.55	ug/l	99
41) Methacrylonitrile	5.07	41	57810	49.45	ug/l	98
42) 1,2-Dichloroethane	6.21	62	95956	51.87	ug/l	99
43) Isopropyl Acetate	6.48	43	174287	52.80	ug/l	98
44) Trichloroethene	7.23	130	67090	49.67	ug/l	98
45) 1,2-Dichloropropane	7.52	63	65522	54.29	ug/l	98
46) Dibromomethane	7.67	93	50128	52.92	ug/l	98
47) Bromodichloromethane	7.91	83	89392	53.64	ug/l	98
48) Methyl methacrylate	7.79	41	86234	53.81	ug/l	99
49) 1,4-Dioxane	7.77	88	37323	1107.94	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	695664	272.26	ug/l	100
52) Toluene	8.79	92	172438	52.32	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	102190	52.91	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	99788	53.27	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	73211	54.01	ug/l	98
56) Ethyl methacrylate	9.19	69	111312	54.20	ug/l	100
57) 1,3-Dichloropropane	9.38	76	115759	53.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	261154	264.93	ug/l	98
59) 2-Hexanone	9.51	43	578583	266.68	ug/l	99
60) Dibromochloromethane	9.59	129	76628	47.96	ug/l	97
61) 1,2-Dibromoethane	9.68	107	78101	53.73	ug/l	99
64) Tetrachloroethene	9.34	164	62373	45.01	ug/l	96
65) Chlorobenzene	10.15	112	194138	48.85	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	70043	51.89	ug/l	98
67) Ethyl Benzene	10.26	91	339862	50.45	ug/l	99
68) m/p-Xylenes	10.37	106	271044	102.24	ug/l	97
69) o-Xylene	10.71	106	130305	50.77	ug/l	100
70) Styrene	10.72	104	216535	50.98	ug/l	98
71) Bromoform	10.87	173	60905	43.94	ug/l #	97
73) Isopropylbenzene	11.02	105	350694	50.79	ug/l	100
74) N-amyl acetate	6.48	43	174287	58.47	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	131364	53.79	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	112476m	50.22	ug/l	
77) Bromobenzene	11.26	156	89285	48.54	ug/l	99
78) n-propylbenzene	11.37	91	411449	49.98	ug/l	100
79) 2-Chlorotoluene	11.43	91	236958	49.82	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	303609	52.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	33469	48.38	ug/l	97
82) 4-Chlorotoluene	11.52	91	290328	51.12	ug/l	100
83) tert-Butylbenzene	11.78	119	304752	52.05	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	310409	51.00	ug/l	99
85) sec-Butylbenzene	11.96	105	376946	52.03	ug/l	98
86) p-Isopropyltoluene	12.07	119	332007	51.60	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	169505	48.74	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	176909	48.45	ug/l	98
89) n-Butylbenzene	12.40	91	303240	50.62	ug/l	98
90) Hexachloroethane	12.60	117	54924	54.23	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	173349	50.84	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	36056	52.94	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	115411	47.21	ug/l	100
94) Hexachlorobutadiene	13.79	225	50639	50.03	ug/l	99
95) Naphthalene	13.84	128	443676	52.10	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	121048	50.12	ug/l	99

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

