

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032718\
 Data File : VX000478.D
 Acq On : 27 Mar 2018 23:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/28/2018 11:41:56 AM

Quant Time: Mar 28 08:21:30 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	133081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	219304	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	235516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	148480	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	86682	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	5.51	113	70184	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	8.73	98	292257	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.15	95	110544	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	71050	48.44	ug/l	97
3) Chloromethane	1.32	50	66606	43.11	ug/l	98
4) Vinyl Chloride	1.41	62	89278	54.68	ug/l	98
5) Bromomethane	1.64	94	121867	62.34	ug/l	96
6) Chloroethane	1.72	64	58771	59.18	ug/l	98
7) Trichlorofluoromethane	1.93	101	157200	53.35	ug/l	99
8) Diethyl Ether	2.19	74	54445	51.70	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	84250	51.27	ug/l	97
10) Methyl Iodide	2.51	142	57493	36.57	ug/l	98
11) Tert butyl alcohol	3.08	59	166579	278.77	ug/l	100
12) 1,1-Dichloroethene	2.38	96	78874	54.68	ug/l	95
13) Acrolein	2.30	56	47788	250.45	ug/l	98
14) Allyl chloride	2.73	41	143022	56.15	ug/l	99
15) Acrylonitrile	3.15	53	325553	269.00	ug/l	100
16) Acetone	2.45	43	322705	223.31	ug/l	98
17) Carbon Disulfide	2.57	76	211544	55.13	ug/l	99
18) Methyl Acetate	2.78	43	164131	54.17	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	289016	54.17	ug/l	99
20) Methylene Chloride	2.86	84	87068	52.16	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	85107	52.89	ug/l	93
22) Diisopropyl ether	3.88	45	219166	48.60	ug/l	99
23) Vinyl Acetate	3.84	43	1027454	240.35	ug/l	100
24) 1,1-Dichloroethane	3.70	63	154457	54.48	ug/l	100
25) 2-Butanone	4.71	43	401253	247.03	ug/l	100
26) 2,2-Dichloropropane	4.60	77	94006	47.31	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	77291	51.39	ug/l	97
28) Bromochloromethane	5.03	49	79040	67.61	ug/l	99
29) Tetrahydrofuran	5.18	42	265141	265.30	ug/l	99
30) Chloroform	5.23	83	142760	53.73	ug/l	99
31) Cyclohexane	5.58	56	113903	51.97	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	125742	52.46	ug/l	98
36) 1,1-Dichloropropene	5.81	75	103857	50.56	ug/l	98
37) Ethyl Acetate	4.87	43	140536	50.08	ug/l	99
38) Carbon Tetrachloride	5.79	117	110095	51.09	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	131182	52.51	ug/l	97
40) Benzene	6.15	78	313896	52.62	ug/l	99
41) Methacrylonitrile	5.07	41	73882	49.94	ug/l	98
42) 1,2-Dichloroethane	6.21	62	122838	52.48	ug/l	99
43) Isopropyl Acetate	6.48	43	223686	53.55	ug/l	99
44) Trichloroethene	7.22	130	86735	50.75	ug/l	98
45) 1,2-Dichloropropane	7.52	63	83559	54.72	ug/l	98
46) Dibromomethane	7.67	93	63038	52.59	ug/l	99
47) Bromodichloromethane	7.91	83	117379	55.66	ug/l	100
48) Methyl methacrylate	7.79	41	113356	55.90	ug/l	98
49) 1,4-Dioxane	7.77	88	49750	1167.16	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	901244	278.76	ug/l	98
52) Toluene	8.79	92	231568	55.53	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	132274	54.13	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	137704	58.09	ug/l	94
55) 1,1,2-Trichloroethane	9.23	97	94341	55.01	ug/l	97
56) Ethyl methacrylate	9.19	69	147457	56.74	ug/l	99
57) 1,3-Dichloropropane	9.38	76	158547	57.80	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	331009	265.38	ug/l	99
59) 2-Hexanone	9.51	43	739825	269.49	ug/l	100
60) Dibromochloromethane	9.59	129	102415	50.42	ug/l	98
61) 1,2-Dibromoethane	9.68	107	103736	56.40	ug/l	99
64) Tetrachloroethene	9.34	164	92897	50.83	ug/l	97
65) Chlorobenzene	10.15	112	260032	49.61	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	91221	51.25	ug/l	97
67) Ethyl Benzene	10.26	91	450754	50.73	ug/l	98
68) m/p-Xylenes	10.37	106	363023	103.83	ug/l	97
69) o-Xylene	10.71	106	172750	51.03	ug/l	100
70) Styrene	10.72	104	297181	53.06	ug/l	98
71) Bromoform	10.87	173	78782	43.19	ug/l #	97
73) Isopropylbenzene	11.02	105	473841	48.17	ug/l	99
74) N-amyl acetate	6.48	43	223686	52.32	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	170614	49.03	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	150034m	47.02	ug/l	
77) Bromobenzene	11.26	156	117096	44.68	ug/l	98
78) n-propylbenzene	11.37	91	568964	48.50	ug/l	99
79) 2-Chlorotoluene	11.43	91	319992	47.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	422767	51.11	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	46120	46.79	ug/l	96
82) 4-Chlorotoluene	11.52	91	405879	50.16	ug/l	99
83) tert-Butylbenzene	11.78	119	411058	49.27	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	439748	50.71	ug/l	99
85) sec-Butylbenzene	11.96	105	524318	50.79	ug/l	100
86) p-Isopropyltoluene	12.07	119	479556	52.31	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	239661	48.37	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	257922	49.58	ug/l	98
89) n-Butylbenzene	12.40	91	440952	51.66	ug/l	99
90) Hexachloroethane	12.60	117	73809	51.15	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	245390	50.51	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	46857	48.28	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	167142	47.99	ug/l	99
94) Hexachlorobutadiene	13.79	225	69420	48.14	ug/l	99
95) Naphthalene	13.84	128	607378	50.06	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	170557	49.56	ug/l	99

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

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