

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111319\
 Data File : VX013398.D
 Acq On : 13 Nov 2019 10:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/14/2019 9:37:03 AM

Quant Time: Nov 14 04:40:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	668628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1010957	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	923971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	471481	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	379465	47.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.80%	
35) Dibromofluoromethane	5.48	113	314332	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.14%	
50) Toluene-d8	8.71	98	1172030	49.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.13	95	430728	49.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	362533	47.058	ug/l	100
3) Chloromethane	1.31	50	394827	47.260	ug/l	98
4) Vinyl Chloride	1.40	62	450581	47.374	ug/l	100
5) Bromomethane	1.62	94	287203	43.331	ug/l	96
6) Chloroethane	1.71	64	253048	46.458	ug/l	97
7) Trichlorofluoromethane	1.92	101	498420	44.355	ug/l	98
8) Diethyl Ether	2.17	74	241956	48.692	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	319161	50.959	ug/l	97
10) Methyl Iodide	2.50	142	404001	52.101	ug/l	97
11) Tert butyl alcohol	3.03	59	443066	212.216	ug/l	99
12) 1,1-Dichloroethene	2.36	96	307004	50.056	ug/l	100
13) Acrolein	2.28	56	283804	250.813	ug/l	99
14) Allyl chloride	2.72	41	583967	52.403	ug/l	95
15) Acrylonitrile	3.12	53	995147	255.170	ug/l	99
16) Acetone	2.42	43	913147	231.117	ug/l	100
17) Carbon Disulfide	2.56	76	791230	48.199	ug/l	99
18) Methyl Acetate	2.76	43	565372	51.831	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1116177	54.564	ug/l	97
20) Methylene Chloride	2.84	84	368184	50.436	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	332436	49.781	ug/l	99
22) Diisopropyl ether	3.84	45	1192528	55.429	ug/l	98
23) Vinyl Acetate	3.80	43	4950071	268.882	ug/l	100
24) 1,1-Dichloroethane	3.68	63	625524	51.974	ug/l	100
25) 2-Butanone	4.65	43	1428583	246.469	ug/l	99
26) 2,2-Dichloropropane	4.56	77	502385	52.472	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	395378	52.853	ug/l	100
28) Bromochloromethane	5.00	49	179439	52.510	ug/l	99
29) Tetrahydrofuran	5.11	42	899122	251.724	ug/l	99
30) Chloroform	5.19	83	618499	52.044	ug/l	97
31) Cyclohexane	5.56	56	538292	49.705	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	513471	50.205	ug/l	99
36) 1,1-Dichloropropene	5.79	75	453655	52.308	ug/l	100
37) Ethyl Acetate	4.81	43	542218	50.596	ug/l	100
38) Carbon Tetrachloride	5.77	117	433118	51.070	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	560561	51.873	ug/l	99
40) Benzene	6.12	78	1421054	52.601	ug/l	99
41) Methacrylonitrile	5.02	41	312141	51.966	ug/l	99
42) 1,2-Dichloroethane	6.18	62	513908	52.738	ug/l	98
43) Isopropyl Acetate	6.42	43	893544	53.545	ug/l	99
44) Trichloroethene	7.20	130	379424	51.023	ug/l	98
45) 1,2-Dichloropropane	7.50	63	378672	55.012	ug/l	100
46) Dibromomethane	7.65	93	250040	53.202	ug/l	98
47) Bromodichloromethane	7.89	83	492510	55.573	ug/l	95
48) Methyl methacrylate	7.76	41	446257	53.572	ug/l	97
49) 1,4-Dioxane	7.73	88	185048	970.012	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	2779533	253.872	ug/l	99
52) Toluene	8.78	92	890963	53.211	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	562112	58.003	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	615143	56.745	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	380426	54.815	ug/l	99
56) Ethyl methacrylate	9.17	69	618278	52.114	ug/l	96
57) 1,3-Dichloropropane	9.36	76	633336	53.758	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1234309	260.109	ug/l	100
59) 2-Hexanone	9.48	43	2154840	254.685	ug/l	99
60) Dibromochloromethane	9.57	129	401802	56.608	ug/l	99
61) 1,2-Dibromoethane	9.67	107	395009	53.600	ug/l	100
64) Tetrachloroethene	9.33	164	334836	50.622	ug/l	99
65) Chlorobenzene	10.13	112	969548	51.830	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	372474	54.230	ug/l	99
67) Ethyl Benzene	10.25	91	1698553	52.611	ug/l	99
68) m/p-Xylenes	10.35	106	1307336	107.072	ug/l	99
69) o-Xylene	10.69	106	640432	53.575	ug/l	98
70) Styrene	10.71	104	1104993	55.299	ug/l	99
71) Bromoform	10.85	173	317819	49.912	ug/l	99
73) Isopropylbenzene	11.01	105	1666428	53.309	ug/l	100
74) N-amyl acetate	10.89	43	797733	55.031	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	597776	52.418	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	484292m	50.571	ug/l	
77) Bromobenzene	11.25	156	451977	54.236	ug/l	97
78) n-propylbenzene	11.35	91	1907665	54.784	ug/l	99
79) 2-Chlorotoluene	11.42	91	1112873	53.044	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1418828	54.491	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	204095	54.857	ug/l	97
82) 4-Chlorotoluene	11.51	91	1310159	53.347	ug/l	100
83) tert-Butylbenzene	11.76	119	1447243	55.216	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1441304	55.181	ug/l	100
85) sec-Butylbenzene	11.94	105	1626360	53.989	ug/l	100
86) p-Isopropyltoluene	12.06	119	1526041	55.015	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	795998	53.586	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	797571	52.699	ug/l	99
89) n-Butylbenzene	12.39	91	1321447	54.596	ug/l	100
90) Hexachloroethane	12.59	117	274150	55.471	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	797257	53.692	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	127528	45.900	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	553344	53.424	ug/l	99
94) Hexachlorobutadiene	13.77	225	259041	51.120	ug/l	99
95) Naphthalene	13.83	128	1709952	52.619	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	557358	53.658	ug/l	99

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

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