

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110119\
 Data File : VX013317.D
 Acq On : 01 Nov 2019 17:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 1:30:26 PM

Quant Time: Nov 04 02:25:45 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	5.65	168	739272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1124996	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1020632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	523129	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	408542	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
35) Dibromofluoromethane	5.48	113	332157	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	8.71	98	1268040	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
62) 4-Bromofluorobenzene	11.13	95	455662	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	422940	49.653	ug/l	99
3) Chloromethane	1.31	50	454727	49.228	ug/l	98
4) Vinyl Chloride	1.40	62	529323	50.334	ug/l	99
5) Bromomethane	1.62	94	313243	42.744	ug/l	99
6) Chloroethane	1.71	64	286868	47.665	ug/l	99
7) Trichlorofluoromethane	1.92	101	570173	45.892	ug/l	99
8) Diethyl Ether	2.17	74	265077	48.247	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	333212	48.119	ug/l	99
10) Methyl Iodide	2.50	142	371053	43.279	ug/l	98
11) Tert butyl alcohol	3.03	59	492857	213.506	ug/l	100
12) 1,1-Dichloroethene	2.36	96	333503	49.180	ug/l	98
13) Acrolein	2.28	56	275333	220.075	ug/l	99
14) Allyl chloride	2.72	41	612648	49.723	ug/l	98
15) Acrylonitrile	3.13	53	1074859	249.272	ug/l	99
16) Acetone	2.43	43	1061143	242.910	ug/l	99
17) Carbon Disulfide	2.56	76	890355	49.055	ug/l	98
18) Methyl Acetate	2.76	43	592356	49.116	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1135546	50.206	ug/l	97
20) Methylene Chloride	2.84	84	383603	47.527	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	360762	48.861	ug/l	98
22) Diisopropyl ether	3.84	45	1214078	51.038	ug/l	98
23) Vinyl Acetate	3.80	43	5139287	252.484	ug/l	100
24) 1,1-Dichloroethane	3.69	63	655693	49.275	ug/l	98
25) 2-Butanone	4.65	43	1593956	248.721	ug/l	100
26) 2,2-Dichloropropane	4.57	77	529399	50.009	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	418143	50.555	ug/l	99
28) Bromochloromethane	5.00	49	196361	51.971	ug/l	98
29) Tetrahydrofuran	5.11	42	980672	248.319	ug/l	100
30) Chloroform	5.20	83	650089	49.475	ug/l	98
31) Cyclohexane	5.57	56	576394	48.137	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	551157	48.740	ug/l	99
36) 1,1-Dichloropropene	5.79	75	481181	49.858	ug/l	99
37) Ethyl Acetate	4.81	43	586045	49.142	ug/l	99
38) Carbon Tetrachloride	5.78	117	470618	49.867	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	590111	49.072	ug/l	98
40) Benzene	6.13	78	1491464	49.611	ug/l	97
41) Methacrylonitrile	5.03	41	329936	49.360	ug/l	99
42) 1,2-Dichloroethane	6.18	62	532560	49.112	ug/l	100
43) Isopropyl Acetate	6.43	43	940541	50.648	ug/l	99
44) Trichloroethene	7.20	130	400572	48.406	ug/l	98
45) 1,2-Dichloropropane	7.50	63	382613	49.950	ug/l	99
46) Dibromomethane	7.65	93	254071	48.580	ug/l	98
47) Bromodichloromethane	7.89	83	505658	51.273	ug/l	98
48) Methyl methacrylate	7.76	41	476771	51.433	ug/l	99
49) 1,4-Dioxane	7.73	88	204257	962.169	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	3048633	250.224	ug/l	100
52) Toluene	8.78	92	938251	50.355	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	558591	51.797	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	621176	51.493	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	392077	50.767	ug/l	99
56) Ethyl methacrylate	9.17	69	630265	47.871	ug/l	98
57) 1,3-Dichloropropane	9.37	76	654855	49.950	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1353045	256.227	ug/l	99
59) 2-Hexanone	9.48	43	2374897	252.240	ug/l	99
60) Dibromochloromethane	9.57	129	415446	52.598	ug/l	97
61) 1,2-Dibromoethane	9.67	107	409843	49.975	ug/l	100
64) Tetrachloroethene	9.33	164	354338	48.497	ug/l	98
65) Chlorobenzene	10.14	112	1011738	48.963	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	379147	49.973	ug/l	100
67) Ethyl Benzene	10.25	91	1789502	50.179	ug/l	99
68) m/p-Xylenes	10.35	106	1370524	101.617	ug/l	99
69) o-Xylene	10.70	106	668175	50.602	ug/l	98
70) Styrene	10.71	104	1151503	52.169	ug/l	99
71) Bromoform	10.85	173	320410	45.833	ug/l #	98
73) Isopropylbenzene	11.01	105	1763026	50.831	ug/l	100
74) N-amyl acetate	10.89	43	839517	52.196	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	623399	49.268	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	508087m	47.818	ug/l	
77) Bromobenzene	11.25	156	468018	50.616	ug/l	98
78) n-propylbenzene	11.35	91	2017328	52.213	ug/l	100
79) 2-Chlorotoluene	11.42	91	1185394	50.923	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1490143	51.580	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	208598	50.532	ug/l	98
82) 4-Chlorotoluene	11.51	91	1368778	50.232	ug/l	100
83) tert-Butylbenzene	11.77	119	1506966	51.818	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1482122	51.141	ug/l	99
85) sec-Butylbenzene	11.94	105	1716784	51.364	ug/l	100
86) p-Isopropyltoluene	12.06	119	1594649	51.812	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	823578	49.969	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	828855	49.359	ug/l	98
89) n-Butylbenzene	12.38	91	1388710	51.710	ug/l	100
90) Hexachloroethane	12.59	117	279311	50.935	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	839443	50.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	142458	46.211	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	585595	50.956	ug/l	99
94) Hexachlorobutadiene	13.77	225	276012	49.092	ug/l	99
95) Naphthalene	13.83	128	1903268	52.786	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	587047	50.936	ug/l	100

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

