

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\
 Data File : VX010313.D
 Acq On : 14 Jun 2019 20:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 10:35:51 AM

Quant Time: Jun 15 03:11:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	283850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	426245	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	395172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201314	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	128036	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.42%	
35) Dibromofluoromethane	5.49	113	128874	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.04%	
50) Toluene-d8	8.71	98	483680	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	11.13	95	177410	48.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	130328	49.899	ug/l	100
3) Chloromethane	1.32	50	116237	44.813	ug/l	97
4) Vinyl Chloride	1.41	62	130357	53.472	ug/l	99
5) Bromomethane	1.64	94	43027	46.772	ug/l	96
6) Chloroethane	1.71	64	82543	67.157	ug/l	99
7) Trichlorofluoromethane	1.93	101	209165	57.761	ug/l	100
8) Diethyl Ether	2.19	74	73587	58.958	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.38	101	121209	48.558	ug/l	92
10) Methyl Iodide	2.51	142	111258	28.767	ug/l	98
11) Tert butyl alcohol	3.05	59	164167	241.869	ug/l	99
12) 1,1-Dichloroethene	2.37	96	119761	46.973	ug/l #	77
13) Acrolein	2.29	56	27019	218.313	ug/l	99
14) Allyl chloride	2.73	41	178043	46.262	ug/l #	89
15) Acrylonitrile	3.14	53	352659	254.198	ug/l	98
16) Acetone	2.45	43	293850	225.488	ug/l #	85
17) Carbon Disulfide	2.57	76	293379	39.824	ug/l	99
18) Methyl Acetate	2.78	43	152455	53.195	ug/l #	83
19) Methyl tert-butyl Ether	3.20	73	398860	48.695	ug/l	93
20) Methylene Chloride	2.85	84	138934	48.545	ug/l #	80
21) trans-1,2-Dichloroethene	3.17	96	128106	45.403	ug/l #	77
22) Diisopropyl ether	3.85	45	374283	50.867	ug/l #	90
23) Vinyl Acetate	3.81	43	1626106	247.721	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	214643	48.045	ug/l	94
25) 2-Butanone	4.67	43	479627	247.161	ug/l #	83
26) 2,2-Dichloropropane	4.59	77	169579	41.607	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	154722	49.292	ug/l	77
28) Bromochloromethane	5.02	49	101177	50.532	ug/l #	48
29) Tetrahydrofuran	5.13	42	303802	249.111	ug/l #	75
30) Chloroform	5.21	83	231998	50.002	ug/l	97
31) Cyclohexane	5.58	56	191386	47.467	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	205543	47.123	ug/l	93
36) 1,1-Dichloropropene	5.81	75	161855	46.543	ug/l	91
37) Ethyl Acetate	4.84	43	177013	48.922	ug/l #	92
38) Carbon Tetrachloride	5.79	117	186101	47.280	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	213613	45.111	ug/l #	83
40) Benzene	6.14	78	531770	49.453	ug/l	98
41) Methacrylonitrile	5.04	41	97224	49.674	ug/l #	84
42) 1,2-Dichloroethane	6.20	62	164996	48.063	ug/l	93
43) Isopropyl Acetate	6.45	43	296036	48.934	ug/l #	89
44) Trichloroethene	7.21	130	157912	48.719	ug/l	87
45) 1,2-Dichloropropane	7.51	63	135836	50.470	ug/l	98
46) Dibromomethane	7.66	93	97372	48.291	ug/l	91
47) Bromodichloromethane	7.90	83	182489	48.434	ug/l #	98
48) Methyl methacrylate	7.77	41	141228	49.917	ug/l #	77
49) 1,4-Dioxane	7.74	88	73467	910.760	ug/l #	80
51) 4-Methyl-2-Pentanone	8.64	43	955513	264.386	ug/l	90
52) Toluene	8.79	92	351724	49.759	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	202202	46.397	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	218357	46.737	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	149150	51.522	ug/l	97
56) Ethyl methacrylate	9.18	69	230102	50.319	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	230567	50.591	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	529395	245.572	ug/l #	86
59) 2-Hexanone	9.49	43	735506	255.247	ug/l	88
60) Dibromochloromethane	9.58	129	168474	49.202	ug/l	100
61) 1,2-Dibromoethane	9.67	107	160336	49.730	ug/l	99
64) Tetrachloroethene	9.34	164	149577	50.963	ug/l	99
65) Chlorobenzene	10.13	112	406004	49.780	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	154298	49.194	ug/l	100
67) Ethyl Benzene	10.25	91	683488	49.227	ug/l	94
68) m/p-Xylenes	10.36	106	530287	98.697	ug/l	89
69) o-Xylene	10.69	106	263044	49.251	ug/l	88
70) Styrene	10.71	104	448906	49.627	ug/l	95
71) Bromoform	10.85	173	136223	47.244	ug/l #	99
73) Isopropylbenzene	11.02	105	692467	49.275	ug/l	95
74) N-amyl acetate	10.90	43	271796	48.927	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	235554	48.967	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	189307m	47.013	ug/l	
77) Bromobenzene	11.26	156	190405	49.270	ug/l	81
78) n-propylbenzene	11.36	91	764943	48.894	ug/l	95
79) 2-Chlorotoluene	11.42	91	453409	48.254	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	573147	48.422	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	78851	43.265	ug/l	85
82) 4-Chlorotoluene	11.51	91	521557	48.863	ug/l	91
83) tert-Butylbenzene	11.77	119	581141	48.509	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	581667	48.651	ug/l	97
85) sec-Butylbenzene	11.94	105	682824	48.922	ug/l	96
86) p-Isopropyltoluene	12.06	119	627854	49.207	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	337119	49.525	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	331800	48.354	ug/l	97
89) n-Butylbenzene	12.38	91	533207	48.547	ug/l	97
90) Hexachloroethane	12.60	117	113830	44.784	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	332915	50.307	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	49452	43.686	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	233722	48.249	ug/l	100
94) Hexachlorobutadiene	13.78	225	107914	50.092	ug/l	99
95) Naphthalene	13.83	128	738951	48.460	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	231392	48.312	ug/l	98

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

