

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081119\
 Data File : VX011470.D
 Acq On : 12 Aug 2019 07:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 10:29:51 AM

Quant Time: Aug 12 09:32:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	157936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	241875	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123637	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	95777	60.22	ug/l	0.00
Spiked Amount			Recovery	=	120.44%	
35) Dibromofluoromethane	5.49	113	84136	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
50) Toluene-d8	8.71	98	312711	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	11.13	95	118328	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	55240	45.286	ug/l	99
3) Chloromethane	1.32	50	60204	43.951	ug/l	99
4) Vinyl Chloride	1.40	62	64863	43.048	ug/l	99
5) Bromomethane	1.63	94	40407	37.601	ug/l	100
6) Chloroethane	1.71	64	43764	46.744	ug/l	99
7) Trichlorofluoromethane	1.92	101	119732	44.691	ug/l	98
8) Diethyl Ether	2.18	74	43252	45.212	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	67276	46.410	ug/l	98
10) Methyl Iodide	2.50	142	89302	48.863	ug/l	96
11) Tert butyl alcohol	3.04	59	87227	275.025	ug/l	99
12) 1,1-Dichloroethene	2.37	96	67390	46.897	ug/l	91
13) Acrolein	2.29	56	28137	142.573	ug/l	98
14) Allyl chloride	2.72	41	96805	50.533	ug/l	97
15) Acrylonitrile	3.14	53	204989	270.847	ug/l	99
16) Acetone	2.43	43	179553	237.176	ug/l	95
17) Carbon Disulfide	2.56	76	148344	43.992	ug/l	100
18) Methyl Acetate	2.76	43	101451	58.640	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	230807	54.504	ug/l	99
20) Methylene Chloride	2.85	84	79113	47.717	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	73728	48.504	ug/l	91
22) Diisopropyl ether	3.85	45	225230	53.495	ug/l	98
23) Vinyl Acetate	3.81	43	955504	273.622	ug/l	98
24) 1,1-Dichloroethane	3.69	63	128738	51.855	ug/l	98
25) 2-Butanone	4.67	43	289830	269.134	ug/l	97
26) 2,2-Dichloropropane	4.57	77	57436	29.761	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	86092	49.172	ug/l	99
28) Bromochloromethane	5.01	49	66305	58.583	ug/l	97
29) Tetrahydrofuran	5.12	42	178440	270.241	ug/l	99
30) Chloroform	5.20	83	145466	53.910	ug/l	99
31) Cyclohexane	5.57	56	97692	47.696	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	125525	54.305	ug/l	99
36) 1,1-Dichloropropene	5.79	75	98472	46.630	ug/l	98
37) Ethyl Acetate	4.82	43	108687	51.309	ug/l	99
38) Carbon Tetrachloride	5.78	117	110003	51.775	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	106070	42.374	ug/l	98
40) Benzene	6.13	78	304961	48.393	ug/l	98
41) Methacrylonitrile	5.03	41	59003	51.003	ug/l	97
42) 1,2-Dichloroethane	6.18	62	113069	53.061	ug/l	97
43) Isopropyl Acetate	6.44	43	174552	51.541	ug/l	99
44) Trichloroethene	7.21	130	86522	45.360	ug/l	93
45) 1,2-Dichloropropane	7.51	63	78952	48.376	ug/l	96
46) Dibromomethane	7.66	93	58004	48.685	ug/l	97
47) Bromodichloromethane	7.90	83	108273	53.676	ug/l	99
48) Methyl methacrylate	7.76	41	87458	54.874	ug/l	97
49) 1,4-Dioxane	7.74	88	44528	963.689	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	597627	273.436	ug/l	99
52) Toluene	8.78	92	202377	48.572	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	104338	44.732	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	114115	48.430	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	87592	51.131	ug/l	98
56) Ethyl methacrylate	9.18	69	131418	53.832	ug/l	98
57) 1,3-Dichloropropane	9.37	76	137037	50.581	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	311131	259.202	ug/l	100
59) 2-Hexanone	9.49	43	467179	275.964	ug/l	98
60) Dibromochloromethane	9.58	129	93752	53.454	ug/l	99
61) 1,2-Dibromoethane	9.67	107	94372	50.989	ug/l	97
64) Tetrachloroethene	9.34	164	86448	44.373	ug/l	95
65) Chlorobenzene	10.13	112	234206	47.615	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	88419	52.507	ug/l	98
67) Ethyl Benzene	10.25	91	403587	48.993	ug/l	99
68) m/p-Xylenes	10.35	106	309505	97.136	ug/l	97
69) o-Xylene	10.69	106	154381	49.312	ug/l	100
70) Styrene	10.71	104	263499	50.867	ug/l	97
71) Bromoform	10.85	173	72177	48.054	ug/l	99
73) Isopropylbenzene	11.02	105	414894	49.066	ug/l	100
74) N-amyl acetate	10.90	43	166031	54.341	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	138910	49.295	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	118088m	52.447	ug/l	
77) Bromobenzene	11.25	156	113000	48.192	ug/l	96
78) n-propylbenzene	11.36	91	454246	48.306	ug/l	100
79) 2-Chlorotoluene	11.42	91	277533	49.517	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	350440	49.508	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	32478	39.557	ug/l	95
82) 4-Chlorotoluene	11.51	91	326410	49.972	ug/l	97
83) tert-Butylbenzene	11.77	119	344178	49.576	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	352720	50.049	ug/l	99
85) sec-Butylbenzene	11.94	105	403503	48.376	ug/l	99
86) p-Isopropyltoluene	12.06	119	375084	48.881	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	198318	47.868	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	199746	46.756	ug/l	98
89) n-Butylbenzene	12.38	91	308335	46.640	ug/l	99
90) Hexachloroethane	12.59	117	59579	52.517	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	199025	47.811	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	30122	55.174	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	132281	47.916	ug/l	99
94) Hexachlorobutadiene	13.78	225	64190	45.829	ug/l	97
95) Naphthalene	13.83	128	422013	52.273	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	134634	47.971	ug/l	99

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

