

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082719\
 Data File : VX011840.D
 Acq On : 27 Aug 2019 11:08
 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
 8/28/2019 11:44:27 AM

Quant Time: Aug 28 02:29:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	412070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	564127	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	508879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	280262	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	211989	51.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.42%	
35) Dibromofluoromethane	5.49	113	180062	49.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.72%	
50) Toluene-d8	8.71	98	654505	51.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	11.13	95	258054	51.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	191682	49.842	ug/l	99
3) Chloromethane	1.32	50	175066	51.908	ug/l	97
4) Vinyl Chloride	1.40	62	166631	49.423	ug/l	100
5) Bromomethane	1.63	94	80215	43.188	ug/l	98
6) Chloroethane	1.71	64	91999	46.671	ug/l	100
7) Trichlorofluoromethane	1.92	101	255592	47.616	ug/l	99
8) Diethyl Ether	2.18	74	85179	46.668	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	160745	48.394	ug/l	98
10) Methyl Iodide	2.50	142	208932	51.498	ug/l	98
11) Tert butyl alcohol	3.04	59	235904	288.398	ug/l	99
12) 1,1-Dichloroethene	2.36	96	153490	47.391	ug/l	94
13) Acrolein	2.29	56	77304	244.481	ug/l	93
14) Allyl chloride	2.71	41	305344	60.318	ug/l	97
15) Acrylonitrile	3.13	53	476503	254.685	ug/l	100
16) Acetone	2.43	43	470410	261.237	ug/l	100
17) Carbon Disulfide	2.56	76	437068	53.373	ug/l	99
18) Methyl Acetate	2.76	43	275295	56.342	ug/l	96
19) Methyl tert-butyl Ether	3.18	73	541595	52.130	ug/l	96
20) Methylene Chloride	2.85	84	168360	45.732	ug/l	91
21) trans-1,2-Dichloroethene	3.15	96	162776	46.595	ug/l	92
22) Diisopropyl ether	3.84	45	555218	56.561	ug/l	93
23) Vinyl Acetate	3.80	43	2350192	289.165	ug/l	97
24) 1,1-Dichloroethane	3.68	63	295268	50.945	ug/l	99
25) 2-Butanone	4.66	43	703213	272.072	ug/l	96
26) 2,2-Dichloropropane	4.57	77	282469	57.390	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	188096	46.951	ug/l	94
28) Bromochloromethane	5.00	49	158985	60.429	ug/l	88
29) Tetrahydrofuran	5.12	42	438661	264.759	ug/l	96
30) Chloroform	5.20	83	300455	47.782	ug/l	100
31) Cyclohexane	5.57	56	280498	55.107	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	283125	51.798	ug/l	98
36) 1,1-Dichloropropene	5.79	75	229522	51.884	ug/l	98
37) Ethyl Acetate	4.82	43	267686	57.181	ug/l	97
38) Carbon Tetrachloride	5.78	117	265551	52.968	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	291847	53.238	ug/l	95
40) Benzene	6.13	78	660159	48.241	ug/l	100
41) Methacrylonitrile	5.03	41	145995	53.623	ug/l	95
42) 1,2-Dichloroethane	6.18	62	240942	48.164	ug/l	100
43) Isopropyl Acetate	6.43	43	445895	58.848	ug/l	98
44) Trichloroethene	7.21	130	195058	46.239	ug/l	98
45) 1,2-Dichloropropane	7.51	63	172430	50.129	ug/l	98
46) Dibromomethane	7.65	93	117861	46.476	ug/l	97
47) Bromodichloromethane	7.89	83	251203	55.027	ug/l	97
48) Methyl methacrylate	7.76	41	216971	57.539	ug/l	93
49) 1,4-Dioxane	7.73	88	93792	897.718	ug/l	94
51) 4-Methyl-2-Pentanone	8.63	43	1317296	263.845	ug/l	98
52) Toluene	8.78	92	423020	47.768	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	287903	60.076	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	300006	57.384	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	171677	46.531	ug/l	99
56) Ethyl methacrylate	9.17	69	290900	55.440	ug/l	92
57) 1,3-Dichloropropane	9.37	76	288107	48.361	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	773683	280.304	ug/l	99
59) 2-Hexanone	9.49	43	1035549	270.235	ug/l	98
60) Dibromochloromethane	9.58	129	217721	54.579	ug/l	99
61) 1,2-Dibromoethane	9.66	107	186850	47.199	ug/l	100
64) Tetrachloroethene	9.33	164	190546	46.936	ug/l	97
65) Chlorobenzene	10.13	112	470047	47.312	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	192189	51.631	ug/l	99
67) Ethyl Benzene	10.25	91	827971	49.870	ug/l	100
68) m/p-Xylenes	10.35	106	636784	99.471	ug/l	99
69) o-Xylene	10.69	106	308726	49.119	ug/l	100
70) Styrene	10.71	104	533341	50.725	ug/l	99
71) Bromoform	10.85	173	189050	58.873	ug/l #	97
73) Isopropylbenzene	11.01	105	830519	49.174	ug/l	100
74) N-amyl acetate	10.89	43	397003	60.715	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	265771	47.541	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	249080m	50.649	ug/l	
77) Bromobenzene	11.25	156	231334	46.461	ug/l	95
78) n-propylbenzene	11.35	91	948356	52.512	ug/l	98
79) 2-Chlorotoluene	11.41	91	557540	49.623	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	712040	50.528	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	105005	64.394	ug/l	96
82) 4-Chlorotoluene	11.51	91	654553	50.541	ug/l	98
83) tert-Butylbenzene	11.77	119	734645	52.839	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	724103	50.884	ug/l	98
85) sec-Butylbenzene	11.94	105	828157	52.072	ug/l	99
86) p-Isopropyltoluene	12.06	119	800535	52.316	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	414127	48.298	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	414305	47.758	ug/l	100
89) n-Butylbenzene	12.38	91	690167	54.484	ug/l	98
90) Hexachloroethane	12.59	117	157920	66.429	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	403720	46.682	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	70624	54.348	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	325740	51.206	ug/l	99
94) Hexachlorobutadiene	13.78	225	186959	53.634	ug/l	99
95) Naphthalene	13.83	128	891951	50.909	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	316537	49.556	ug/l	99

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

