

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092719\
 Data File : VX012688.D
 Acq On : 27 Sep 2019 09:37
 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
 9/30/2019 8:23:32 AM

Quant Time: Sep 28 04:05:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	200799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	339133	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	302807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	142044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	142123	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	5.48	113	107638	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
50) Toluene-d8	8.71	98	400659	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	11.14	95	159343	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	113049	50.045	ug/l	97
3) Chloromethane	1.32	50	118149	45.549	ug/l	97
4) Vinyl Chloride	1.40	62	125971	48.859	ug/l	97
5) Bromomethane	1.63	94	44431	43.830	ug/l	97
6) Chloroethane	1.71	64	81385	46.824	ug/l	99
7) Trichlorofluoromethane	1.92	101	182992	50.552	ug/l	97
8) Diethyl Ether	2.18	74	72122	48.617	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	111617	50.625	ug/l	97
10) Methyl Iodide	2.50	142	108676	47.106	ug/l	95
11) Tert butyl alcohol	3.03	59	159454	218.299	ug/l	99
12) 1,1-Dichloroethene	2.36	96	106722	49.433	ug/l	99
13) Acrolein	2.28	56	36937	97.294	ug/l	97
14) Allyl chloride	2.72	41	209114	48.820	ug/l	97
15) Acrylonitrile	3.13	53	339719	229.244	ug/l	98
16) Acetone	2.43	43	440315	284.294	ug/l	97
17) Carbon Disulfide	2.56	76	280716	46.380	ug/l	100
18) Methyl Acetate	2.76	43	163539	44.843	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	405749	49.652	ug/l	98
20) Methylene Chloride	2.84	84	125906	48.063	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	117624	49.178	ug/l	98
22) Diisopropyl ether	3.84	45	411464	49.714	ug/l	95
23) Vinyl Acetate	3.80	43	1786235	246.099	ug/l	98
24) 1,1-Dichloroethane	3.69	63	220574	49.028	ug/l	98
25) 2-Butanone	4.65	43	554581	249.727	ug/l	98
26) 2,2-Dichloropropane	4.57	77	197861	49.449	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	135006	48.646	ug/l	96
28) Bromochloromethane	5.00	49	87471	53.546	ug/l	100
29) Tetrahydrofuran	5.11	42	304377	224.872	ug/l	98
30) Chloroform	5.19	83	222413	48.321	ug/l	98
31) Cyclohexane	5.56	56	203349	49.962	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	198213	48.589	ug/l	99
36) 1,1-Dichloropropene	5.78	75	169532	51.863	ug/l	99
37) Ethyl Acetate	4.81	43	184138	48.183	ug/l	98
38) Carbon Tetrachloride	5.77	117	170387	51.312	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	207747	52.791	ug/l	99
40) Benzene	6.13	78	492798	51.237	ug/l	98
41) Methacrylonitrile	5.03	41	105193	49.059	ug/l	97
42) 1,2-Dichloroethane	6.18	62	186037	50.937	ug/l	100
43) Isopropyl Acetate	6.43	43	310223	48.541	ug/l	98
44) Trichloroethene	7.20	130	127331	51.786	ug/l	91
45) 1,2-Dichloropropane	7.50	63	127898	51.940	ug/l	100
46) Dibromomethane	7.65	93	86343	51.500	ug/l	95
47) Bromodichloromethane	7.89	83	175577	52.399	ug/l	98
48) Methyl methacrylate	7.76	41	150130	48.991	ug/l	95
49) 1,4-Dioxane	7.73	88	66514	956.936	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	939288	238.092	ug/l	97
52) Toluene	8.78	92	315123	52.130	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	196286	52.945	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	211735	52.308	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	124554	51.826	ug/l	99
56) Ethyl methacrylate	9.17	69	208436	51.624	ug/l	93
57) 1,3-Dichloropropane	9.37	76	215476	51.228	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	468184	258.329	ug/l	99
59) 2-Hexanone	9.48	43	768359	254.448	ug/l	96
60) Dibromochloromethane	9.57	129	128936	52.998	ug/l	99
61) 1,2-Dibromoethane	9.67	107	129141	51.632	ug/l	100
64) Tetrachloroethene	9.33	164	115151	54.542	ug/l	95
65) Chlorobenzene	10.14	112	327280	51.326	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	120662	52.227	ug/l	98
67) Ethyl Benzene	10.24	91	607897	52.562	ug/l	99
68) m/p-Xylenes	10.35	106	452363	104.415	ug/l	100
69) o-Xylene	10.70	106	216915	51.744	ug/l	98
70) Styrene	10.71	104	378651	53.880	ug/l	99
71) Bromoform	10.85	173	86041	53.484	ug/l #	99
73) Isopropylbenzene	11.01	105	592917	51.250	ug/l	100
74) N-amyl acetate	10.89	43	276564	50.109	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	190627	49.753	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	185616m	49.400	ug/l	
77) Bromobenzene	11.25	156	131898	50.374	ug/l	97
78) n-propylbenzene	11.35	91	680721	52.264	ug/l	99
79) 2-Chlorotoluene	11.42	91	408150	50.234	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	510207	52.590	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	63927	48.757	ug/l	98
82) 4-Chlorotoluene	11.51	91	485451	52.412	ug/l	98
83) tert-Butylbenzene	11.76	119	485400	51.867	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	514226	52.543	ug/l	99
85) sec-Butylbenzene	11.94	105	582767	53.539	ug/l	99
86) p-Isopropyltoluene	12.06	119	541232	55.106	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	248619	52.762	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	247489	51.977	ug/l	99
89) n-Butylbenzene	12.38	91	469572	54.256	ug/l	100
90) Hexachloroethane	12.59	117	91275	52.127	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	249804	52.953	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	47560	49.622	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	158789	55.193	ug/l	99
94) Hexachlorobutadiene	13.77	225	72695	58.735	ug/l	96
95) Naphthalene	13.83	128	558120	53.619	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	159448	55.327	ug/l	99

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

