

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082119\
 Data File : VX011739.D
 Acq On : 21 Aug 2019 18:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/22/2019 10:01:35 AM

Quant Time: Aug 22 04:10:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	327063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	449768	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	419752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	211809	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	149835	49.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.80%	
35) Dibromofluoromethane	5.49	113	138388	47.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.08%	
50) Toluene-d8	8.71	98	442374	48.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.52%	
62) 4-Bromofluorobenzene	11.13	95	189382	48.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	182945	56.906	ug/l	99
3) Chloromethane	1.32	50	147145	44.068	ug/l	99
4) Vinyl Chloride	1.40	62	146814	48.674	ug/l	99
5) Bromomethane	1.63	94	75706	56.016	ug/l	98
6) Chloroethane	1.71	64	84857	59.442	ug/l	99
7) Trichlorofluoromethane	1.92	101	246228	58.937	ug/l	98
8) Diethyl Ether	2.18	74	83359	58.165	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	155499	53.887	ug/l	99
10) Methyl Iodide	2.50	142	178993	43.542	ug/l	100
11) Tert butyl alcohol	3.04	59	211189	283.818	ug/l	100
12) 1,1-Dichloroethene	2.36	96	147795	52.997	ug/l	97
13) Acrolein	2.29	56	68266	295.813	ug/l	95
14) Allyl chloride	2.72	41	250305	53.956	ug/l	98
15) Acrylonitrile	3.14	53	484848	284.698	ug/l	99
16) Acetone	2.43	43	416130	272.856	ug/l	100
17) Carbon Disulfide	2.56	76	328590	50.004	ug/l	100
18) Methyl Acetate	2.76	43	277832	58.740	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	525524	57.861	ug/l	99
20) Methylene Chloride	2.85	84	171236	53.476	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	161511	54.653	ug/l	99
22) Diisopropyl ether	3.85	45	492957	53.358	ug/l	98
23) Vinyl Acetate	3.81	43	1974217	269.857	ug/l	99
24) 1,1-Dichloroethane	3.69	63	276180	52.874	ug/l	99
25) 2-Butanone	4.67	43	653141	272.795	ug/l	100
26) 2,2-Dichloropropane	4.57	77	223268	56.792	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	186782	54.217	ug/l	100
28) Bromochloromethane	5.01	49	114289	49.843	ug/l	98
29) Tetrahydrofuran	5.12	42	414769	264.089	ug/l	97
30) Chloroform	5.20	83	303038	54.973	ug/l	100
31) Cyclohexane	5.57	56	231399	51.453	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	271504	57.280	ug/l	99
36) 1,1-Dichloropropene	5.79	75	212170	55.174	ug/l	99
37) Ethyl Acetate	4.82	43	226067	51.112	ug/l	100
38) Carbon Tetrachloride	5.77	117	242263	57.182	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	255123	53.723	ug/l	97
40) Benzene	6.13	78	629936	52.714	ug/l	99
41) Methacrylonitrile	5.03	41	131788	54.138	ug/l	98
42) 1,2-Dichloroethane	6.18	62	246641	59.571	ug/l	98
43) Isopropyl Acetate	6.44	43	364758	52.843	ug/l	99
44) Trichloroethene	7.21	130	194103	54.754	ug/l	97
45) 1,2-Dichloropropane	7.51	63	165424	55.507	ug/l	95
46) Dibromomethane	7.66	93	118764	54.838	ug/l	98
47) Bromodichloromethane	7.89	83	229089	57.610	ug/l	99
48) Methyl methacrylate	7.77	41	194412	56.874	ug/l	97
49) 1,4-Dioxane	7.74	88	100572	1106.180	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1285743	284.579	ug/l	100
52) Toluene	8.78	92	423408	55.615	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	240150	58.190	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	263814	58.412	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	180752	55.830	ug/l	98
56) Ethyl methacrylate	9.18	69	266856	56.711	ug/l	98
57) 1,3-Dichloropropane	9.37	76	286414	55.654	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	663071	282.806	ug/l	99
59) 2-Hexanone	9.49	43	1010890	290.142	ug/l	100
60) Dibromochloromethane	9.58	129	189080	56.054	ug/l	99
61) 1,2-Dibromoethane	9.67	107	187172	54.170	ug/l	99
64) Tetrachloroethene	9.34	164	186843	54.252	ug/l	99
65) Chlorobenzene	10.13	112	463651	51.788	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	191153	57.124	ug/l	99
67) Ethyl Benzene	10.25	91	832350	55.707	ug/l	99
68) m/p-Xylenes	10.35	106	614463	107.136	ug/l	97
69) o-Xylene	10.69	106	311030	55.363	ug/l	100
70) Styrene	10.71	104	528049	55.834	ug/l	98
71) Bromoform	10.85	173	161621	49.721	ug/l #	98
73) Isopropylbenzene	11.02	105	849344	61.797	ug/l	100
74) N-amyl acetate	10.90	43	333757	57.143	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	285043	60.289	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	246823m	61.454	ug/l	
77) Bromobenzene	11.25	156	245887	60.133	ug/l	99
78) n-propylbenzene	11.35	91	901900	60.856	ug/l	99
79) 2-Chlorotoluene	11.42	91	553426	60.814	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	723507	62.666	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	82835	55.343	ug/l	97
82) 4-Chlorotoluene	11.51	91	650423	61.606	ug/l	99
83) tert-Butylbenzene	11.77	119	665072	56.560	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	680410	58.703	ug/l	98
85) sec-Butylbenzene	11.94	105	763252	57.531	ug/l	100
86) p-Isopropyltoluene	12.06	119	727314	58.274	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	384602	54.720	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	386716	54.286	ug/l	99
89) n-Butylbenzene	12.38	91	609235	59.374	ug/l	99
90) Hexachloroethane	12.59	117	115262	58.481	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	394839	55.962	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	63650	58.844	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	291034	55.361	ug/l	99
94) Hexachlorobutadiene	13.78	225	149465	52.214	ug/l	98
95) Naphthalene	13.83	128	887370	59.708	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	294211	55.487	ug/l	99

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

