

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091619\
 Data File : VX012408.D
 Acq On : 16 Sep 2019 15:00
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX091619

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 5:04:26 PM

Quant Time: Sep 17 05:01:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	128510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	199147	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	190208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118937	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	119127	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	5.48	113	88660	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
50) Toluene-d8	8.71	98	332132	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	11.13	95	134994	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	60524	48.793	ug/l	97
3) Chloromethane	1.32	50	49762	50.431	ug/l	99
4) Vinyl Chloride	1.40	62	52540	48.754	ug/l	97
5) Bromomethane	1.62	94	22284	48.533	ug/l	95
6) Chloroethane	1.70	64	35649	49.931	ug/l	94
7) Trichlorofluoromethane	1.92	101	100072	50.572	ug/l	100
8) Diethyl Ether	2.17	74	40636	47.145	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	71939	50.481	ug/l	100
10) Methyl Iodide	2.50	142	63144	46.357	ug/l	98
11) Tert butyl alcohol	3.03	59	139062	209.297	ug/l	99
12) 1,1-Dichloroethene	2.36	96	57672	51.425	ug/l	99
13) Acrolein	2.28	56	59938	209.353	ug/l	100
14) Allyl chloride	2.72	41	126975	49.097	ug/l	98
15) Acrylonitrile	3.13	53	253874	231.018	ug/l	99
16) Acetone	2.43	43	269310	227.710	ug/l	98
17) Carbon Disulfide	2.56	76	81440	48.825	ug/l	100
18) Methyl Acetate	2.76	43	116990	44.424	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	294453	48.582	ug/l	100
20) Methylene Chloride	2.84	84	73495	45.547	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	60132	49.875	ug/l	96
22) Diisopropyl ether	3.84	45	289787	48.800	ug/l	95
23) Vinyl Acetate	3.80	43	1242177	253.420	ug/l	100
24) 1,1-Dichloroethane	3.68	63	144442	48.611	ug/l	99
25) 2-Butanone	4.65	43	386289	229.259	ug/l	98
26) 2,2-Dichloropropane	4.57	77	142937	50.432	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	86305	48.844	ug/l	99
28) Bromochloromethane	5.00	49	70899	46.593	ug/l	100
29) Tetrahydrofuran	5.11	42	224793	230.024	ug/l	99
30) Chloroform	5.19	83	160410	46.718	ug/l	100
31) Cyclohexane	5.56	56	90016	49.757	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	139927	49.060	ug/l	100
36) 1,1-Dichloropropene	5.78	75	91161	49.537	ug/l	99
37) Ethyl Acetate	4.82	43	135981	47.991	ug/l	99
38) Carbon Tetrachloride	5.77	117	116290	51.780	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	96226	54.436	ug/l	99
40) Benzene	6.13	78	288233	50.828	ug/l	99
41) Methacrylonitrile	5.03	41	82371	50.916	ug/l	99
42) 1,2-Dichloroethane	6.18	62	126586	49.028	ug/l	100
43) Isopropyl Acetate	6.43	43	234373	48.210	ug/l	99
44) Trichloroethene	7.20	130	79474	52.181	ug/l	98
45) 1,2-Dichloropropane	7.50	63	86007	49.628	ug/l	96
46) Dibromomethane	7.65	93	57610	49.830	ug/l	98
47) Bromodichloromethane	7.89	83	130134	50.417	ug/l	98
48) Methyl methacrylate	7.76	41	110501	45.948	ug/l	100
49) 1,4-Dioxane	7.73	88	51415	926.921	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	752084	238.748	ug/l	100
52) Toluene	8.78	92	188867	51.165	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	140730	52.575	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	144830	52.343	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	91232	47.036	ug/l	97
56) Ethyl methacrylate	9.17	69	149106	51.096	ug/l	99
57) 1,3-Dichloropropane	9.37	76	152001	49.335	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	402798	256.450	ug/l	100
59) 2-Hexanone	9.49	43	583142	240.120	ug/l	99
60) Dibromochloromethane	9.57	129	103998	46.811	ug/l	99
61) 1,2-Dibromoethane	9.67	107	89800	50.330	ug/l	99
64) Tetrachloroethene	9.33	164	64453	51.101	ug/l	97
65) Chlorobenzene	10.14	112	223670	50.365	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	95581	50.729	ug/l	99
67) Ethyl Benzene	10.25	91	388814	51.302	ug/l	99
68) m/p-Xylenes	10.35	106	290149	103.715	ug/l	98
69) o-Xylene	10.70	106	147475	50.834	ug/l	100
70) Styrene	10.71	104	264287	52.504	ug/l	99
71) Bromoform	10.85	173	74351	45.333	ug/l #	99
73) Isopropylbenzene	11.01	105	418929	50.699	ug/l	99
74) N-amyl acetate	10.89	43	215515	49.203	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	156470	47.223	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	151372m	49.233	ug/l	
77) Bromobenzene	11.25	156	103871	48.821	ug/l	99
78) n-propylbenzene	11.35	91	471476	50.487	ug/l	99
79) 2-Chlorotoluene	11.42	91	297670	49.653	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	362636	50.398	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53069	48.726	ug/l	97
82) 4-Chlorotoluene	11.51	91	353240	50.527	ug/l	98
83) tert-Butylbenzene	11.77	119	386694	50.666	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	375364	51.412	ug/l	100
85) sec-Butylbenzene	11.94	105	434650	51.512	ug/l	99
86) p-Isopropyltoluene	12.06	119	406277	52.556	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	200255	50.280	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	201460	50.013	ug/l	99
89) n-Butylbenzene	12.38	91	368015	53.908	ug/l	100
90) Hexachloroethane	12.59	117	76592	51.250	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	202932	49.775	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	41753	47.705	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	145277	53.254	ug/l	98
94) Hexachlorobutadiene	13.78	225	68451	52.106	ug/l	99
95) Naphthalene	13.83	128	490044	48.667	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	143819	52.857	ug/l	98

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

