

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030619\
 Data File : VX007859.D
 Acq On : 06 Mar 2019 13:39
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX030619

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:35:18 AM

Quant Time: Mar 07 07:57:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	366498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	519714	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	458062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	235586	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	195498	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
35) Dibromofluoromethane	5.50	113	174478	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
50) Toluene-d8	8.71	98	667246	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	
62) 4-Bromofluorobenzene	11.13	95	235159	54.94	ug/l	0.00
Spiked Amount			Recovery	=	109.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	166308	53.113	ug/l	100
3) Chloromethane	1.33	50	205477	50.921	ug/l	100
4) Vinyl Chloride	1.41	62	207164	51.669	ug/l	100
5) Bromomethane	1.64	94	98947	52.648	ug/l	99
6) Chloroethane	1.72	64	129531	48.631	ug/l	99
7) Trichlorofluoromethane	1.93	101	269950	51.713	ug/l	97
8) Diethyl Ether	2.19	74	116656	51.607	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	172002	53.171	ug/l	99
10) Methyl Iodide	2.51	142	245879	53.578	ug/l	99
11) Tert butyl alcohol	3.07	59	200649	232.068	ug/l	99
12) 1,1-Dichloroethene	2.37	96	160560	51.491	ug/l	98
13) Acrolein	2.29	56	124946	255.328	ug/l	100
14) Allyl chloride	2.73	41	333122	50.840	ug/l	99
15) Acrylonitrile	3.15	53	529451	242.604	ug/l	100
16) Acetone	2.45	43	575832	257.323	ug/l	100
17) Carbon Disulfide	2.57	76	505703	53.436	ug/l	99
18) Methyl Acetate	2.78	43	235120	49.457	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	552235	51.479	ug/l	99
20) Methylene Chloride	2.85	84	176352	49.517	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	171170	49.889	ug/l	99
22) Diisopropyl ether	3.87	45	631112	52.544	ug/l	98
23) Vinyl Acetate	3.82	43	2781553	264.084	ug/l	99
24) 1,1-Dichloroethane	3.70	63	328670	50.848	ug/l	100
25) 2-Butanone	4.70	43	787451	248.555	ug/l	100
26) 2,2-Dichloropropane	4.58	77	226924	52.991	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	199119	50.717	ug/l	100
28) Bromochloromethane	5.02	49	165189	54.817	ug/l	99
29) Tetrahydrofuran	5.15	42	484846	245.347	ug/l	100
30) Chloroform	5.21	83	311676	50.975	ug/l	99
31) Cyclohexane	5.57	56	320199	53.900	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	264202	52.079	ug/l	99
36) 1,1-Dichloropropene	5.80	75	246699	52.423	ug/l	100
37) Ethyl Acetate	4.85	43	278778	49.920	ug/l	100
38) Carbon Tetrachloride	5.78	117	239267	53.556	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	325686	57.115	ug/l	97
40) Benzene	6.14	78	738180	52.690	ug/l	99
41) Methacrylonitrile	5.06	41	157581	51.757	ug/l	99
42) 1,2-Dichloroethane	6.20	62	236124	51.537	ug/l	100
43) Isopropyl Acetate	6.46	43	437511	52.937	ug/l	100
44) Trichloroethene	7.21	130	202927	52.561	ug/l	97
45) 1,2-Dichloropropane	7.51	63	196088	52.993	ug/l	99
46) Dibromomethane	7.66	93	122903	52.485	ug/l	99
47) Bromodichloromethane	7.90	83	238518	53.723	ug/l	99
48) Methyl methacrylate	7.77	41	229131	52.731	ug/l	99
49) 1,4-Dioxane	7.75	88	86565	969.784	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1362823	256.404	ug/l	100
52) Toluene	8.78	92	461330	53.936	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	267248	57.672	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	296686	56.696	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	183388	52.965	ug/l	99
56) Ethyl methacrylate	9.18	69	286330	55.077	ug/l	100
57) 1,3-Dichloropropane	9.37	76	308643	53.089	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	726414	270.125	ug/l	100
59) 2-Hexanone	9.49	43	1052707	255.105	ug/l	100
60) Dibromochloromethane	9.58	129	200765	55.474	ug/l	99
61) 1,2-Dibromoethane	9.67	107	194665	52.953	ug/l	100
64) Tetrachloroethene	9.34	164	194562	51.255	ug/l	98
65) Chlorobenzene	10.13	112	501440	52.313	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	184515	53.710	ug/l	100
67) Ethyl Benzene	10.25	91	864986	54.821	ug/l	100
68) m/p-Xylenes	10.36	106	666031	109.512	ug/l	99
69) o-Xylene	10.69	106	320662	54.612	ug/l	99
70) Styrene	10.71	104	532260	55.396	ug/l	100
71) Bromoform	10.85	173	158788	53.823	ug/l #	100
73) Isopropylbenzene	11.02	105	869746	54.588	ug/l	100
74) N-amyl acetate	10.90	43	378417	52.024	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	265521	48.313	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	222406m	44.989	ug/l	
77) Bromobenzene	11.26	156	223606	51.188	ug/l	100
78) n-propylbenzene	11.36	91	989682	55.991	ug/l	99
79) 2-Chlorotoluene	11.42	91	567953	52.552	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	712510	54.333	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	85604	55.351	ug/l	99
82) 4-Chlorotoluene	11.51	91	664578	53.659	ug/l	100
83) tert-Butylbenzene	11.77	119	719399	54.461	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	730761	54.359	ug/l	100
85) sec-Butylbenzene	11.94	105	871338	56.008	ug/l	100
86) p-Isopropyltoluene	12.06	119	786470	56.447	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	406951	52.659	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	408102	51.565	ug/l	100
89) n-Butylbenzene	12.38	91	687302	58.226	ug/l	99
90) Hexachloroethane	12.60	117	130335	55.949	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	396029	51.584	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	56789	49.442	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	297121	55.091	ug/l	99
94) Hexachlorobutadiene	13.78	225	159183	56.453	ug/l	99
95) Naphthalene	13.83	128	841748	54.167	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	290208	54.016	ug/l	99

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

