

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081519\
 Data File : VX011569.D
 Acq On : 15 Aug 2019 20:01
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081519

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:29:44 AM

Quant Time: Aug 16 04:21:21 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	412639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	569856	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	512557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	282053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	177076	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
35) Dibromofluoromethane	5.49	113	171284	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
50) Toluene-d8	8.71	98	546081	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.13	95	229428	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	218357	53.835	ug/l	99
3) Chloromethane	1.32	50	193579	45.951	ug/l	99
4) Vinyl Chloride	1.40	62	189066	49.683	ug/l	99
5) Bromomethane	1.63	94	88729	52.036	ug/l	99
6) Chloroethane	1.71	64	87402	48.528	ug/l	98
7) Trichlorofluoromethane	1.92	101	262736	49.846	ug/l	96
8) Diethyl Ether	2.18	74	90680	50.152	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	174681	47.980	ug/l	99
10) Methyl Iodide	2.50	142	284492	54.854	ug/l	99
11) Tert butyl alcohol	3.04	59	242260	258.054	ug/l	98
12) 1,1-Dichloroethene	2.37	96	171401	48.716	ug/l	94
13) Acrolein	2.29	56	69624	241.464	ug/l	100
14) Allyl chloride	2.72	41	291042	49.727	ug/l	98
15) Acrylonitrile	3.14	53	540748	251.672	ug/l	100
16) Acetone	2.43	43	459111	238.607	ug/l	99
17) Carbon Disulfide	2.56	76	425845	51.365	ug/l	99
18) Methyl Acetate	2.76	43	302348	50.667	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	581387	50.737	ug/l	98
20) Methylene Chloride	2.85	84	190425	47.135	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	182253	48.881	ug/l	97
22) Diisopropyl ether	3.85	45	580140	49.772	ug/l	100
23) Vinyl Acetate	3.81	43	2374268	257.235	ug/l	100
24) 1,1-Dichloroethane	3.69	63	321784	48.829	ug/l	100
25) 2-Butanone	4.67	43	756393	250.402	ug/l	98
26) 2,2-Dichloropropane	4.57	77	239241	48.234	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	213344	49.084	ug/l	99
28) Bromochloromethane	5.01	49	145474	50.286	ug/l	99
29) Tetrahydrofuran	5.12	42	498744	251.700	ug/l	99
30) Chloroform	5.20	83	334916	48.156	ug/l	98
31) Cyclohexane	5.57	56	286290	50.457	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	300098	50.182	ug/l	99
36) 1,1-Dichloropropene	5.79	75	244110	50.103	ug/l	99
37) Ethyl Acetate	4.82	43	282760	50.457	ug/l	99
38) Carbon Tetrachloride	5.77	117	268596	50.038	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	299607	49.795	ug/l	99
40) Benzene	6.13	78	740111	48.882	ug/l	99
41) Methacrylonitrile	5.04	41	157049	50.920	ug/l	99
42) 1,2-Dichloroethane	6.18	62	259230	49.417	ug/l	99
43) Isopropyl Acetate	6.44	43	441649	50.499	ug/l	100
44) Trichloroethene	7.21	130	223886	49.846	ug/l	96
45) 1,2-Dichloropropane	7.51	63	191448	50.701	ug/l	99
46) Dibromomethane	7.66	93	134214	48.912	ug/l	98
47) Bromodichloromethane	7.90	83	254208	50.456	ug/l	99
48) Methyl methacrylate	7.76	41	224102	51.744	ug/l	99
49) 1,4-Dioxane	7.74	88	115288	1000.821	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1467853	256.422	ug/l	99
52) Toluene	8.78	92	480566	49.820	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	276591	52.896	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	303165	52.979	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	200167	48.798	ug/l	98
56) Ethyl methacrylate	9.18	69	311162	52.191	ug/l	99
57) 1,3-Dichloropropane	9.37	76	322510	49.462	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	768435	258.678	ug/l	100
59) 2-Hexanone	9.49	43	1140079	258.265	ug/l	100
60) Dibromochloromethane	9.58	129	227761	53.292	ug/l	99
61) 1,2-Dibromoethane	9.67	107	219544	50.149	ug/l	100
64) Tetrachloroethene	9.34	164	213320	50.725	ug/l	96
65) Chlorobenzene	10.13	112	537504	49.166	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	211916	51.862	ug/l	100
67) Ethyl Benzene	10.25	91	925100	50.704	ug/l	100
68) m/p-Xylenes	10.35	106	723295	103.277	ug/l	99
69) o-Xylene	10.69	106	350397	51.078	ug/l	97
70) Styrene	10.71	104	603533	52.261	ug/l	100
71) Bromoform	10.85	173	185747	46.990	ug/l #	99
73) Isopropylbenzene	11.02	105	940409	51.383	ug/l	100
74) N-amyl acetate	10.90	43	400539	51.498	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	312271	49.599	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	266724m	49.870	ug/l	
77) Bromobenzene	11.26	156	276542	50.787	ug/l	99
78) n-propylbenzene	11.36	91	1035141	52.452	ug/l	100
79) 2-Chlorotoluene	11.42	91	621037	51.248	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	794952	51.706	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	96071	48.780	ug/l	98
82) 4-Chlorotoluene	11.51	91	724435	51.528	ug/l	99
83) tert-Butylbenzene	11.77	119	810829	51.782	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	810347	52.502	ug/l	99
85) sec-Butylbenzene	11.94	105	918513	51.992	ug/l	100
86) p-Isopropyltoluene	12.06	119	877272	52.784	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	473192	50.558	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	477247	50.310	ug/l	99
89) n-Butylbenzene	12.38	91	725274	53.079	ug/l	100
90) Hexachloroethane	12.59	117	138819	52.892	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	475021	50.559	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	72450	50.299	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	370701	52.954	ug/l	100
94) Hexachlorobutadiene	13.78	225	194645	51.063	ug/l	99
95) Naphthalene	13.83	128	1074533	54.295	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	374694	53.067	ug/l	98

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

