

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX013007.D
 Acq On : 10 Oct 2019 19:36
 Operator : JC/SP
 Sample : K5290-08MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964MSD

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:06:00 PM

Quant Time: Oct 11 08:16:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	160775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278477	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	113768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	96742	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	5.48	113	77462	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
50) Toluene-d8	8.71	98	291842	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
62) 4-Bromofluorobenzene	11.14	95	111834	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	83633	51.033	ug/l	96
3) Chloromethane	1.31	50	88561	49.655	ug/l	99
4) Vinyl Chloride	1.40	62	92968	50.502	ug/l	98
5) Bromomethane	1.62	94	38410	50.194	ug/l	96
6) Chloroethane	1.71	64	56799	50.508	ug/l	98
7) Trichlorofluoromethane	1.92	101	131385	52.878	ug/l	97
8) Diethyl Ether	2.18	74	50719	50.572	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	82729	51.447	ug/l	99
10) Methyl Iodide	2.50	142	96198	52.520	ug/l	99
11) Tert butyl alcohol	3.03	59	128575	241.367	ug/l	100
12) 1,1-Dichloroethene	2.36	96	83509	51.399	ug/l	96
13) Acrolein	2.28	56	93366	246.632	ug/l	99
14) Allyl chloride	2.72	41	149503	51.671	ug/l	99
15) Acrylonitrile	3.13	53	268863	266.334	ug/l	99
16) Acetone	2.43	43	231612	218.668	ug/l	99
17) Carbon Disulfide	2.56	76	222324	47.990	ug/l	100
18) Methyl Acetate	2.76	43	126948	50.565	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	301171	53.678	ug/l	98
20) Methylene Chloride	2.84	84	96658	49.655	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	91801	52.717	ug/l	98
22) Diisopropyl ether	3.84	45	297365	53.635	ug/l	93
23) Vinyl Acetate	3.80	43	1306637	273.000	ug/l	100
24) 1,1-Dichloroethane	3.69	63	166866	53.499	ug/l	99
25) 2-Butanone	4.66	43	370305	251.996	ug/l	98
26) 2,2-Dichloropropane	4.57	77	118016	44.995	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	105053	52.336	ug/l	98
28) Bromochloromethane	5.00	49	51517	55.315	ug/l	100
29) Tetrahydrofuran	5.12	42	239401	264.744	ug/l	99
30) Chloroform	5.20	83	168456	52.635	ug/l	99
31) Cyclohexane	5.57	56	147319	50.511	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	146756	54.119	ug/l	99
36) 1,1-Dichloropropene	5.79	75	122713	50.120	ug/l	98
37) Ethyl Acetate	4.82	43	143159	52.290	ug/l	99
38) Carbon Tetrachloride	5.78	117	126445	53.059	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	150953	50.839	ug/l	99
40) Benzene	6.14	78	380328	52.594	ug/l	97
41) Methacrylonitrile	5.03	41	77251	51.351	ug/l	100
42) 1,2-Dichloroethane	6.19	62	137513	52.995	ug/l	99
43) Isopropyl Acetate	6.44	43	230048	52.353	ug/l	100
44) Trichloroethene	7.21	130	102176	50.954	ug/l	97
45) 1,2-Dichloropropane	7.51	63	97099	52.684	ug/l	99
46) Dibromomethane	7.65	93	65311	53.188	ug/l	100
47) Bromodichloromethane	7.89	83	129685	54.118	ug/l	98
48) Methyl methacrylate	7.76	41	114063	53.267	ug/l	99
49) 1,4-Dioxane	7.73	88	56906	990.628	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	727739	265.629	ug/l	100
52) Toluene	8.78	92	242483	52.414	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	139588	46.821	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	152814	51.849	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	98551	53.829	ug/l	99
56) Ethyl methacrylate	9.17	69	158959	48.542	ug/l	99
57) 1,3-Dichloropropane	9.37	76	165893	52.382	ug/l	100
59) 2-Hexanone	9.48	43	562879	263.932	ug/l	100
60) Dibromochloromethane	9.58	129	99634	48.943	ug/l	98
61) 1,2-Dibromoethane	9.67	107	102830	53.392	ug/l	98
64) Tetrachloroethene	9.33	164	128993	74.446	ug/l	96
65) Chlorobenzene	10.14	112	252372	50.872	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	94672	55.040	ug/l	100
67) Ethyl Benzene	10.25	91	463729	52.625	ug/l	97
68) m/p-Xylenes	10.36	106	346281	105.188	ug/l	99
69) o-Xylene	10.70	106	169231	52.715	ug/l	98
70) Stvrene	10.71	104	293634	53.803	ug/l	99
71) Bromoform	10.85	173	67457	46.284	ug/l #	100
73) Isopropylbenzene	11.01	105	444520	53.144	ug/l	100
74) N-amyl acetate	10.89	43	198812	55.189	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	149788	53.841	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	121356m	48.093	ug/l	
77) Bromobenzene	11.25	156	103577	52.549	ug/l	96
78) n-propylbenzene	11.35	91	485125	52.708	ug/l	100
79) 2-Chlorotoluene	11.42	91	294861	50.975	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	375064	53.701	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	45120	46.309	ug/l	99
82) 4-Chlorotoluene	11.51	91	347058	52.346	ug/l	99
83) tert-Butylbenzene	11.77	119	356828	52.374	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	382716	54.105	ug/l	98
85) sec-Butylbenzene	11.94	105	415253	52.608	ug/l	99
86) p-Isopropyltoluene	12.06	119	382802	52.291	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	188831	51.589	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	189222	51.044	ug/l	99
89) n-Butylbenzene	12.39	91	320300	52.059	ug/l	99
90) Hexachloroethane	12.59	117	66171	48.854	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	187036	52.123	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	37057	56.831	ug/l	95
93) 1,2,4-Trichlorobenzene	13.64	180	113986	50.709	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	50026	48.223	ug/l	98
95) Naphthalene	13.83	128	400688	51.422	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	115786	49.845	ug/l	100

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

