

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091819\
 Data File : VX012514.D
 Acq On : 19 Sep 2019 07:44
 Operator : JC/SP
 Sample : K4858-08MSD 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190909MSD

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:07:31 PM

Quant Time: Sep 19 09:41:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	303019	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122810	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	133854	55.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.96%	
35) Dibromofluoromethane	5.49	113	97590	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
50) Toluene-d8	8.71	98	323915	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.13	95	130289	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	47170	42.059	ug/l	97
3) Chloromethane	1.32	50	50320	54.369	ug/l	99
4) Vinyl Chloride	1.40	62	53330	53.312	ug/l	100
5) Bromomethane	1.63	94	18304	46.574	ug/l	96
6) Chloroethane	1.71	64	38310	48.940	ug/l	96
7) Trichlorofluoromethane	1.92	101	83873	45.738	ug/l	99
8) Diethyl Ether	2.18	74	47025	56.775	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	49957	37.653	ug/l	99
10) Methyl Iodide	2.50	142	58079	50.920	ug/l	96
11) Tert butyl alcohol	3.03	59	156568	256.030	ug/l	99
12) 1,1-Dichloroethene	2.36	96	55547	52.481	ug/l	97
13) Acrolein	2.28	56	57503	271.558	ug/l	100
14) Allyl chloride	2.72	41	129196	52.430	ug/l	100
15) Acrylonitrile	3.13	53	293858	281.056	ug/l	99
16) Acetone	2.43	43	269433	244.209	ug/l	100
17) Carbon Disulfide	2.56	76	66189	44.427	ug/l	99
18) Methyl Acetate	2.76	43	140665	55.948	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	331468	57.438	ug/l	99
20) Methylene Chloride	2.84	84	81691	55.945	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	59485	54.122	ug/l	99
22) Diisopropyl ether	3.84	45	329633	57.132	ug/l	99
23) Vinyl Acetate	3.80	43	1391058	293.093	ug/l	99
24) 1,1-Dichloroethane	3.69	63	157568	57.079	ug/l	98
25) 2-Butanone	4.65	43	426571	254.874	ug/l	99
26) 2,2-Dichloropropane	4.58	77	86525	31.870	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	92634	56.420	ug/l	92
28) Bromochloromethane	5.00	49	81338	57.153	ug/l	96
29) Tetrahydrofuran	5.11	42	260931	282.212	ug/l	99
30) Chloroform	5.20	83	174491	55.038	ug/l	99
31) Cyclohexane	5.57	56	59278	35.572	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	134132	50.620	ug/l	100
36) 1,1-Dichloropropene	5.79	75	77927	42.315	ug/l	96
37) Ethyl Acetate	4.82	43	156692	55.430	ug/l	99
38) Carbon Tetrachloride	5.78	117	98293	42.914	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	54148	30.245	ug/l	95
40) Benzene	6.13	78	302742	51.696	ug/l	97
41) Methacrylonitrile	5.03	41	93384	51.304	ug/l	97
42) 1,2-Dichloroethane	6.18	62	143085	52.679	ug/l	99
43) Isopropyl Acetate	6.43	43	265980	52.423	ug/l	99
44) Trichloroethene	7.20	130	502766	326.366	ug/l	96
45) 1,2-Dichloropropane	7.51	63	94355	52.443	ug/l	100
46) Dibromomethane	7.65	93	63750	54.754	ug/l	99
47) Bromodichloromethane	7.89	83	139127	53.667	ug/l	98
48) Methyl methacrylate	7.76	41	125210	52.352	ug/l	98
49) 1,4-Dioxane	7.73	88	56262	966.543	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	861095	258.798	ug/l	99
52) Toluene	8.78	92	184493	48.891	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	135312	50.212	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	140409	50.328	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	103312	53.141	ug/l	98
56) Ethyl methacrylate	9.17	69	166116	54.650	ug/l	98
57) 1,3-Dichloropropane	9.37	76	166852	53.791	ug/l	100
59) 2-Hexanone	9.49	43	656328	252.839	ug/l	99
60) Dibromochloromethane	9.58	129	111638	56.374	ug/l	99
61) 1,2-Dibromoethane	9.67	107	97326	54.814	ug/l	97
64) Tetrachloroethene	9.33	164	55690	45.670	ug/l	96
65) Chlorobenzene	10.14	112	219342	49.941	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	98849	54.229	ug/l	100
67) Ethyl Benzene	10.25	91	344683	45.679	ug/l	98
68) m/p-Xylenes	10.36	106	254583	92.726	ug/l	99
69) o-Xylene	10.70	106	138698	49.122	ug/l	100
70) Stvrene	10.71	104	251106	50.264	ug/l	99
71) Bromoform	10.85	173	78448	49.985	ug/l #	100
73) Isopropylbenzene	11.01	105	339094	44.006	ug/l	99
74) N-amyl acetate	10.89	43	235003	56.647	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	173236	57.311	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	161161m	57.128	ug/l	
77) Bromobenzene	11.25	156	99624	53.012	ug/l	99
78) n-propylbenzene	11.35	91	360869	42.019	ug/l	99
79) 2-Chlorotoluene	11.42	91	261599	46.822	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	293879	44.719	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	44118	43.372	ug/l	98
82) 4-Chlorotoluene	11.51	91	299216	46.663	ug/l	99
83) tert-Butylbenzene	11.77	119	305090	43.325	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	311304	46.136	ug/l	99
85) sec-Butylbenzene	11.94	105	303232	39.079	ug/l	100
86) p-Isopropyltoluene	12.06	119	287316	40.324	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	172009	48.658	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	176255	48.539	ug/l	99
89) n-Butylbenzene	12.39	91	228320	35.914	ug/l	100
90) Hexachloroethane	12.59	117	54889	42.013	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	191168	51.740	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	45707	58.325	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	117991	49.579	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	37888	33.778	ug/l	98
95) Naphthalene	13.83	128	481330	56.841	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	125598	51.790	ug/l	100

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

