

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111519\
 Data File : VX013446.D
 Acq On : 15 Nov 2019 15:12
 Operator : JC/SP
 Sample : K5884-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MSD

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 10:24:22 AM

Quant Time: Nov 16 00:58:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	650324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1005925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	904361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	446171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	333209	43.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.50%	
35) Dibromofluoromethane	5.49	113	285550	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	
50) Toluene-d8	8.71	98	1062789	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	
62) 4-Bromofluorobenzene	11.14	95	379349	44.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	334300	44.615	ug/l	99
3) Chloromethane	1.31	50	362179	44.572	ug/l	98
4) Vinyl Chloride	1.40	62	461168	49.852	ug/l	99
5) Bromomethane	1.62	94	238144	36.941	ug/l	98
6) Chloroethane	1.71	64	251326	47.466	ug/l	99
7) Trichlorofluoromethane	1.92	101	478394	43.771	ug/l	100
8) Diethyl Ether	2.18	74	228748	47.330	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	296696	48.706	ug/l	99
10) Methyl Iodide	2.50	142	313419	41.557	ug/l	98
11) Tert butyl alcohol	3.03	59	429803	211.657	ug/l	100
12) 1,1-Dichloroethene	2.36	96	295710	49.571	ug/l	99
13) Acrolein	2.28	56	265616	241.347	ug/l	96
14) Allyl chloride	2.72	41	549444	50.693	ug/l	96
15) Acrylonitrile	3.13	53	990642	261.164	ug/l	99
16) Acetone	2.43	43	831868	216.471	ug/l	100
17) Carbon Disulfide	2.56	76	737536	46.193	ug/l	98
18) Methyl Acetate	2.76	43	555015	52.314	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1038840	52.213	ug/l	99
20) Methylene Chloride	2.84	84	347391	48.927	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	323116	49.748	ug/l	98
22) Diisopropyl ether	3.84	45	1104648	52.790	ug/l	97
23) Vinyl Acetate	3.80	43	4603402	257.090	ug/l	100
24) 1,1-Dichloroethane	3.69	63	597140	51.012	ug/l	98
25) 2-Butanone	4.66	43	1387574	246.131	ug/l	99
26) 2,2-Dichloropropane	4.57	77	466231	50.066	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	489772	67.314	ug/l	97
28) Bromochloromethane	5.00	49	160378	48.253	ug/l	99
29) Tetrahydrofuran	5.12	42	897082	258.222	ug/l	99
30) Chloroform	5.20	83	584416	50.560	ug/l	96
31) Cyclohexane	5.57	56	509649	48.385	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	491807	49.441	ug/l	99
36) 1,1-Dichloropropene	5.79	75	428249	49.626	ug/l	98
37) Ethyl Acetate	4.82	43	528479	49.561	ug/l	99
38) Carbon Tetrachloride	5.78	117	420526	49.833	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	517468	48.125	ug/l	100
40) Benzene	6.13	78	1349709	50.211	ug/l	99
41) Methacrylonitrile	5.03	41	297928	49.848	ug/l	98
42) 1,2-Dichloroethane	6.18	62	468713	48.340	ug/l	99
43) Isopropyl Acetate	6.43	43	851380	51.274	ug/l	99
44) Trichloroethene	7.20	130	355667	48.067	ug/l	97
45) 1,2-Dichloropropane	7.51	63	351984	51.391	ug/l	98
46) Dibromomethane	7.65	93	230580	49.307	ug/l	98
47) Bromodichloromethane	7.89	83	459199	52.073	ug/l	98
48) Methyl methacrylate	7.76	41	433102	52.252	ug/l	97
49) 1,4-Dioxane	7.73	88	170972	900.709	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	2756350	253.014	ug/l	99
52) Toluene	8.78	92	848820	50.948	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	510039	52.893	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	562210	52.122	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	357967	51.837	ug/l	98
56) Ethyl methacrylate	9.17	69	570389	48.432	ug/l	97
57) 1,3-Dichloropropane	9.37	76	598927	51.092	ug/l	100
59) 2-Hexanone	9.49	43	2096822	249.067	ug/l	99
60) Dibromochloromethane	9.57	129	370644	52.480	ug/l	99
61) 1,2-Dibromoethane	9.67	107	369703	50.417	ug/l	99
64) Tetrachloroethene	9.33	164	304678	47.061	ug/l	98
65) Chlorobenzene	10.14	112	921142	50.310	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	353168	52.534	ug/l	97
67) Ethyl Benzene	10.25	91	1601758	50.689	ug/l	99
68) m/p-Xylenes	10.35	106	1210255	101.270	ug/l	100
69) o-Xylene	10.70	106	592439	50.635	ug/l	99
70) Stvrene	10.71	104	1026545	52.487	ug/l	99
71) Bromoform	10.85	173	290047	46.754	ug/l #	99
73) Isopropylbenzene	11.01	105	1588601	53.702	ug/l	100
74) N-amyl acetate	10.89	43	753760	54.948	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	575937	53.368	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	451770m	49.851	ug/l	
77) Bromobenzene	11.25	156	416344	52.794	ug/l	99
78) n-propylbenzene	11.35	91	1767405	53.635	ug/l	100
79) 2-Chlorotoluene	11.42	91	1048919	52.832	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1322233	53.662	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	191479	54.386	ug/l	96
82) 4-Chlorotoluene	11.51	91	1202739	51.752	ug/l	100
83) tert-Butylbenzene	11.77	119	1354265	54.599	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1316998	53.282	ug/l	99
85) sec-Butylbenzene	11.94	105	1525445	53.512	ug/l	100
86) p-Isopropyltoluene	12.06	119	1399977	53.333	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	715307	50.886	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	715033	49.925	ug/l	100
89) n-Butylbenzene	12.39	91	1168286	51.006	ug/l	100
90) Hexachloroethane	12.59	117	256085	54.755	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	724718	51.576	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	124202	47.239	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	482810	49.259	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	229031	47.762	ug/l	100
95) Naphthalene	13.83	128	1550327	50.413	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	492743	50.128	ug/l	98

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

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