

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100119\
 Data File : VX012747.D
 Acq On : 01 Oct 2019 20:42
 Operator : JC/SP
 Sample : K5082-11MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20190926MSD

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 10:07:31 AM

Quant Time: Oct 02 08:33:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	170752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	302268	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122986	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	111730	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	
35) Dibromofluoromethane	5.48	113	85747	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
50) Toluene-d8	8.71	98	322214	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
62) 4-Bromofluorobenzene	11.14	95	122684	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	81947	42.660	ug/l	96
3) Chloromethane	1.32	50	95421	43.260	ug/l	100
4) Vinyl Chloride	1.40	62	99526	45.395	ug/l	98
5) Bromomethane	1.63	94	37493	43.495	ug/l	95
6) Chloroethane	1.71	64	64451	43.606	ug/l	97
7) Trichlorofluoromethane	1.92	101	140401	45.611	ug/l	100
8) Diethyl Ether	2.18	74	57209	45.351	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	89666	47.825	ug/l	95
10) Methyl Iodide	2.50	142	96873	49.140	ug/l	94
11) Tert butyl alcohol	3.04	59	133723	215.287	ug/l	100
12) 1,1-Dichloroethene	2.36	96	89377	48.683	ug/l	96
13) Acrolein	2.28	56	82040	237.629	ug/l	98
14) Allyl chloride	2.72	41	163825	44.977	ug/l	96
15) Acrylonitrile	3.13	53	305499	242.429	ug/l	98
16) Acetone	2.44	43	266999	202.726	ug/l	96
17) Carbon Disulfide	2.56	76	223508	43.426	ug/l	100
18) Methyl Acetate	2.76	43	136148	43.902	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	330442	47.552	ug/l	100
20) Methylene Chloride	2.84	84	104685	46.995	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	95531	46.969	ug/l	96
22) Diisopropyl ether	3.84	45	328402	46.660	ug/l	98
23) Vinyl Acetate	3.80	43	1350359	218.785	ug/l	97
24) 1,1-Dichloroethane	3.69	63	183132	47.868	ug/l	99
25) 2-Butanone	4.66	43	418055	221.376	ug/l	95
26) 2,2-Dichloropropane	4.58	77	121334	35.659	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	112427	47.639	ug/l	91
28) Bromochloromethane	5.01	49	65856	47.408	ug/l	97
29) Tetrahydrofuran	5.12	42	273051	237.227	ug/l	96
30) Chloroform	5.20	83	184377	47.106	ug/l	95
31) Cyclohexane	5.57	56	159766	46.161	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	163986	47.273	ug/l	98
36) 1,1-Dichloropropene	5.79	75	133477	45.813	ug/l	98
37) Ethyl Acetate	4.83	43	150307	44.127	ug/l	97
38) Carbon Tetrachloride	5.77	117	138722	46.871	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	158524	45.196	ug/l	95
40) Benzene	6.14	78	404696	47.209	ug/l	98
41) Methacrylonitrile	5.03	41	86935	45.489	ug/l	95
42) 1,2-Dichloroethane	6.18	62	150281	46.165	ug/l	98
43) Isopropyl Acetate	6.43	43	249739	43.843	ug/l	97
44) Trichloroethene	7.21	130	104714	47.782	ug/l	93
45) 1,2-Dichloropropane	7.51	63	105061	47.869	ug/l	97
46) Dibromomethane	7.65	93	70416	47.123	ug/l	98
47) Bromodichloromethane	7.89	83	141702	47.447	ug/l	99
48) Methyl methacrylate	7.76	41	127091	46.531	ug/l	92
49) 1,4-Dioxane	7.73	88	52425	846.225	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	825583	234.793	ug/l	96
52) Toluene	8.78	92	260186	48.291	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	151988	45.996	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	165416	45.849	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	104871	48.958	ug/l	98
56) Ethyl methacrylate	9.17	69	172715	47.994	ug/l	92
57) 1,3-Dichloropropane	9.37	76	181005	48.282	ug/l	100
59) 2-Hexanone	9.49	43	630446	234.240	ug/l	95
60) Dibromochloromethane	9.58	129	108239	49.917	ug/l	99
61) 1,2-Dibromoethane	9.67	107	109662	49.191	ug/l	98
64) Tetrachloroethene	9.33	164	90734	48.393	ug/l	95
65) Chlorobenzene	10.14	112	270342	47.739	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	101480	49.459	ug/l	99
67) Ethyl Benzene	10.24	91	493307	48.029	ug/l	99
68) m/p-Xylenes	10.35	106	367004	95.387	ug/l	99
69) o-Xylene	10.70	106	180766	48.555	ug/l	99
70) Styrene	10.71	104	306305	49.078	ug/l	98
71) Bromoform	10.85	173	72751	50.922	ug/l	97
73) Isopropylbenzene	11.01	105	478893	47.809	ug/l	100
74) N-amyl acetate	10.89	43	207367	43.394	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	162345	48.937	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	153393m	47.150	ug/l	
77) Bromobenzene	11.25	156	106865	47.138	ug/l	97
78) n-propylbenzene	11.35	91	527392	46.766	ug/l	99
79) 2-Chlorotoluene	11.42	91	325343	46.247	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	410279	48.843	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	47556	41.891	ug/l	98
82) 4-Chlorotoluene	11.51	91	378858	47.242	ug/l	98
83) tert-Butylbenzene	11.77	119	392701	48.465	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	401574	47.391	ug/l	98
85) sec-Butylbenzene	11.94	105	452970	48.063	ug/l	99
86) p-Isopropyltoluene	12.06	119	407874	47.963	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	200327	49.101	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	197729	47.961	ug/l	99
89) n-Butylbenzene	12.38	91	345623	46.123	ug/l	100
90) Hexachloroethane	12.59	117	73090	48.210	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	202278	49.523	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	39769	47.924	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	120875	48.525	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	52625	49.108	ug/l	99
95) Naphthalene	13.83	128	455083	50.495	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	126644	50.754	ug/l	99

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

