

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010681.D
 Acq On : 04 Jul 2019 10:35
 Operator : JC/SP
 Sample : K3669-13MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW151-190702MS

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:58:54 AM

Quant Time: Jul 05 04:25:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334812	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	308280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158930	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	110702	55.12	ug/l	0.00
Spiked Amount						
			Recovery	=	110.24%	
35) Dibromofluoromethane	5.49	113	104511	51.02	ug/l	0.00
Spiked Amount						
			Recovery	=	102.04%	
50) Toluene-d8	8.71	98	384637	49.08	ug/l	0.00
Spiked Amount						
			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	11.13	95	143392	50.68	ug/l	0.00
Spiked Amount						
			Recovery	=	101.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	93347	62.685	ug/l	99
3) Chloromethane	1.32	50	98510	56.810	ug/l	99
4) Vinyl Chloride	1.41	62	108194	56.966	ug/l	98
5) Bromomethane	1.64	94	48383	52.290	ug/l	98
6) Chloroethane	1.72	64	66961	59.758	ug/l	98
7) Trichlorofluoromethane	1.93	101	177731	59.031	ug/l	100
8) Diethyl Ether	2.19	74	61991	57.414	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	98912	54.211	ug/l	98
10) Methyl Iodide	2.51	142	116585	44.773	ug/l	97
11) Tert butyl alcohol	3.05	59	117890	224.337	ug/l	100
12) 1,1-Dichloroethene	2.37	96	102488	55.202	ug/l	100
13) Acrolein	2.29	56	85732	245.928	ug/l	100
14) Allyl chloride	2.73	41	138588	52.578	ug/l	98
15) Acrylonitrile	3.14	53	294837	283.377	ug/l	99
16) Acetone	2.45	43	238900	237.359	ug/l	97
17) Carbon Disulfide	2.57	76	260470	52.293	ug/l	100
18) Methyl Acetate	2.78	43	99980	49.840	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	330420	56.572	ug/l	98
20) Methylene Chloride	2.85	84	115864	55.938	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	109169	54.672	ug/l	98
22) Diisopropyl ether	3.85	45	312984	56.793	ug/l	92
23) Vinyl Acetate	3.81	43	1169582	245.667	ug/l	98
24) 1,1-Dichloroethane	3.70	63	178670	56.088	ug/l	99
25) 2-Butanone	4.67	43	392257	265.685	ug/l	97
26) 2,2-Dichloropropane	4.59	77	67312	24.325	ug/l	83
27) cis-1,2-Dichloroethene	4.60	96	222680	96.505	ug/l	95
28) Bromochloromethane	5.01	49	79730	52.349	ug/l	95
29) Tetrahydrofuran	5.13	42	256084	280.029	ug/l	98
30) Chloroform	5.21	83	191027	55.735	ug/l	97
31) Cyclohexane	5.57	56	161300	55.604	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	166758	55.101	ug/l	99
36) 1,1-Dichloropropene	5.80	75	139214	52.324	ug/l	98
37) Ethyl Acetate	4.83	43	129459	47.298	ug/l	98
38) Carbon Tetrachloride	5.79	117	146619	50.890	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	175618	50.216	ug/l	97
40) Benzene	6.14	78	444840	53.666	ug/l	98
41) Methacrylonitrile	5.04	41	79716	53.080	ug/l	99
42) 1,2-Dichloroethane	6.19	62	147639	58.513	ug/l	97
43) Isopropyl Acetate	6.45	43	223500	49.354	ug/l	98
44) Trichloroethene	7.21	130	127119	51.252	ug/l	99
45) 1,2-Dichloropropane	7.51	63	111714	53.370	ug/l	100
46) Dibromomethane	7.66	93	81942	54.561	ug/l	94
47) Bromodichloromethane	7.90	83	143987	52.315	ug/l	98
48) Methyl methacrylate	7.77	41	117207	55.682	ug/l	99
49) 1,4-Dioxane	7.74	88	53108	875.831	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	797839	275.472	ug/l	98
52) Toluene	8.78	92	286956	52.569	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	138910	45.017	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	153689	45.832	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	120411	53.486	ug/l	98
56) Ethyl methacrylate	9.18	69	182991	53.658	ug/l	96
57) 1,3-Dichloropropane	9.37	76	188278	53.876	ug/l	100
59) 2-Hexanone	9.49	43	609736	267.491	ug/l	98
60) Dibromochloromethane	9.58	129	126525	50.195	ug/l	99
61) 1,2-Dibromoethane	9.67	107	128397	52.839	ug/l	99
64) Tetrachloroethene	9.34	164	114846	46.059	ug/l	99
65) Chlorobenzene	10.14	112	819859	130.996	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	116681	51.182	ug/l	99
67) Ethyl Benzene	10.25	91	558134	52.824	ug/l	99
68) m/p-Xylenes	10.36	106	424814	103.763	ug/l	99
69) o-Xylene	10.69	106	209342	51.996	ug/l	98
70) Stvrene	10.71	104	354880	52.559	ug/l	99
71) Bromoform	10.85	173	96893	48.874	ug/l #	99
73) Isopropylbenzene	11.02	105	566017	52.538	ug/l	98
74) N-amyl acetate	10.90	43	189107	46.446	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	183542	51.443	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	148113m	51.142	ug/l	
77) Bromobenzene	11.26	156	150172	49.920	ug/l	96
78) n-propylbenzene	11.36	91	615241	51.961	ug/l	99
79) 2-Chlorotoluene	11.42	91	363515	51.557	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	465298	52.390	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	42778	34.459	ug/l	90
82) 4-Chlorotoluene	11.51	91	422754	52.693	ug/l	99
83) tert-Butylbenzene	11.77	119	497887	55.853	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	469012	52.562	ug/l	99
85) sec-Butylbenzene	11.94	105	578147	55.238	ug/l	98
86) p-Isopropyltoluene	12.06	119	492132	50.834	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	262696	50.027	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	270049	50.515	ug/l	99
89) n-Butylbenzene	12.38	91	417597	50.762	ug/l	100
90) Hexachloroethane	12.60	117	81124	48.461	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	263282	50.447	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38556	50.121	ug/l	91
93) 1,2,4-Trichlorobenzene	13.65	180	175450	48.477	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	83931	47.449	ug/l	98
95) Naphthalene	13.83	128	562579	50.582	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	180308	50.107	ug/l	99

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

