

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010264.D
 Acq On : 12 Jun 2019 20:28
 Operator : JC/SP
 Sample : K3309-09MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MSD

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 9:17:56 AM

Quant Time: Jun 13 03:45:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	288325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	447328	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	412785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210213	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	142371	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
35) Dibromofluoromethane	5.50	113	143246	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
50) Toluene-d8	8.71	98	535384	51.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.13	95	197776	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	132780	50.049	ug/l	100
3) Chloromethane	1.32	50	131173	49.786	ug/l	99
4) Vinyl Chloride	1.41	62	148395	59.927	ug/l	100
5) Bromomethane	1.64	94	55268	59.145	ug/l	99
6) Chloroethane	1.71	64	81131	64.983	ug/l	98
7) Trichlorofluoromethane	1.93	101	210660	57.270	ug/l	99
8) Diethyl Ether	2.19	74	76723	60.517	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.38	101	117778	46.451	ug/l	91
10) Methyl Iodide	2.51	142	182152	46.367	ug/l	98
11) Tert butyl alcohol	3.05	59	167174	242.476	ug/l	99
12) 1,1-Dichloroethene	2.37	96	121792	47.028	ug/l #	77
13) Acrolein	2.29	56	34987	278.307	ug/l	100
14) Allyl chloride	2.73	41	179245	45.852	ug/l #	89
15) Acrylonitrile	3.14	53	361432	256.478	ug/l	98
16) Acetone	2.45	43	276520	208.896	ug/l #	85
17) Carbon Disulfide	2.57	76	324779	43.402	ug/l	98
18) Methyl Acetate	2.78	43	146825	50.436	ug/l #	82
19) Methyl tert-butyl Ether	3.20	73	406947	48.911	ug/l	94
20) Methylene Chloride	2.85	84	140010	48.162	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	133467	46.569	ug/l #	79
22) Diisopropyl ether	3.85	45	378738	50.673	ug/l #	92
23) Vinyl Acetate	3.82	43	1683513	252.485	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	218681	48.189	ug/l	94
25) 2-Butanone	4.67	43	484542	245.819	ug/l #	82
26) 2,2-Dichloropropane	4.59	77	158323	38.243	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	159272	49.954	ug/l	77
28) Bromochloromethane	5.02	49	99910	49.125	ug/l #	51
29) Tetrahydrofuran	5.13	42	316884	255.805	ug/l #	75
30) Chloroform	5.21	83	232003	49.227	ug/l	98
31) Cyclohexane	5.58	56	192399	46.977	ug/l #	77
32) 1,1,1-Trichloroethane	5.49	97	205946	46.483	ug/l	94
36) 1,1-Dichloropropene	5.80	75	165326	45.301	ug/l	92
37) Ethyl Acetate	4.83	43	182122	47.962	ug/l #	92
38) Carbon Tetrachloride	5.78	117	186893	45.244	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	214782	43.220	ug/l #	84
40) Benzene	6.14	78	542872	48.106	ug/l	99
41) Methacrylonitrile	5.04	41	100072	48.719	ug/l #	83
42) 1,2-Dichloroethane	6.19	62	168532	46.779	ug/l	94
43) Isopropyl Acetate	6.45	43	303193	47.755	ug/l #	89
44) Trichloroethene	7.21	130	158851	46.699	ug/l	85
45) 1,2-Dichloropropane	7.51	63	137522	48.688	ug/l	98
46) Dibromomethane	7.66	93	100851	47.659	ug/l	91
47) Bromodichloromethane	7.90	83	187215	47.347	ug/l	99
48) Methyl methacrylate	7.77	41	145748	49.087	ug/l #	77
49) 1,4-Dioxane	7.74	88	72945	861.669	ug/l #	79
51) 4-Methyl-2-Pentanone	8.64	43	989600	260.913	ug/l	90
52) Toluene	8.79	92	353257	47.621	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	206190	45.082	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	222682	45.416	ug/l #	87
55) 1,1,2-Trichloroethane	9.21	97	151243	49.783	ug/l	97
56) Ethyl methacrylate	9.18	69	235616	49.096	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	233385	48.795	ug/l	98
59) 2-Hexanone	9.49	43	763188	252.371	ug/l	88
60) Dibromochloromethane	9.58	129	174904	48.672	ug/l	100
61) 1,2-Dibromoethane	9.67	107	164833	48.715	ug/l	100
64) Tetrachloroethene	9.34	164	136958	44.672	ug/l	96
65) Chlorobenzene	10.14	112	623750	73.214	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	157662	48.122	ug/l	99
67) Ethyl Benzene	10.25	91	688813	47.494	ug/l	95
68) m/p-Xylenes	10.36	106	535295	95.378	ug/l	88
69) o-Xylene	10.69	106	264239	47.364	ug/l	88
70) Styrene	10.71	104	456121	48.273	ug/l	95
71) Bromoform	10.85	173	142591	47.342	ug/l	98
73) Isopropylbenzene	11.02	105	688556	46.923	ug/l	95
74) N-amyl acetate	10.90	43	280400	48.339	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	245207	48.815	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	194233m	46.195	ug/l	
77) Bromobenzene	11.26	156	197384	48.914	ug/l	79
78) n-propylbenzene	11.36	91	769205	47.085	ug/l	94
79) 2-Chlorotoluene	11.42	91	455813	46.456	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	572630	46.331	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	81151	42.642	ug/l	85
82) 4-Chlorotoluene	11.51	91	522757	46.902	ug/l	91
83) tert-Butylbenzene	11.77	119	591364	47.272	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	589791	47.242	ug/l	97
85) sec-Butylbenzene	11.94	105	682905	46.857	ug/l	95
86) p-Isopropyltoluene	12.06	119	627606	47.105	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	342323	48.161	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	364139	50.820	ug/l	98
89) n-Butylbenzene	12.38	91	538171	46.925	ug/l	98
90) Hexachloroethane	12.60	117	120108	45.253	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	340079	49.214	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51245	43.353	ug/l	63
93) 1,2,4-Trichlorobenzene	13.65	180	239808	47.410	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	108829	48.378	ug/l	99
95) Naphthalene	13.83	128	772209	48.497	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	238365	47.661	ug/l	98

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

