

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055594.D
 Acq On : 14 May 2019 15:26
 Operator : JC/SP
 Sample : K2840-06MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KR-02_4-14MSD

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:27:35 PM

Quant Time: May 15 07:53:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 07:28:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	701664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1205623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1068772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	448524	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	508693	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
35) Dibromofluoromethane	7.59	113	405932	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
50) Toluene-d8	10.09	98	1590399	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.40	95	536550	55.80	ug/l	0.00
Spiked Amount			Recovery	=	111.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	333687	46.600	ug/l	98
3) Chloromethane	2.06	50	509787	45.762	ug/l	98
4) Vinyl Chloride	2.19	62	512416	47.195	ug/l	100
5) Bromomethane	2.53	94	288886	45.556	ug/l	99
6) Chloroethane	2.68	64	297356	45.184	ug/l	99
7) Trichlorofluoromethane	3.01	101	571840	47.251	ug/l	98
8) Diethyl Ether	3.41	74	261590	48.377	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	364818	47.886	ug/l	98
10) Methyl Iodide	3.94	142	506388	52.131	ug/l	99
11) Tert butyl alcohol	4.81	59	288239	228.885	ug/l	97
12) 1,1-Dichloroethene	3.73	96	369610	48.450	ug/l	99
13) Acrolein	3.60	56	302273	239.231	ug/l	100
14) Allyl chloride	4.32	41	718352	48.877	ug/l	100
15) Acrylonitrile	4.99	53	1056734	249.889	ug/l	99
16) Acetone	3.82	43	799781	178.400	ug/l	99
17) Carbon Disulfide	4.04	76	1064234	48.683	ug/l	99
18) Methyl Acetate	4.33	43	426440	50.749	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1209056	50.767	ug/l	99
20) Methylene Chloride	4.54	84	445231	47.186	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	408416	49.253	ug/l	98
22) Diisopropyl ether	5.95	45	1483368	50.250	ug/l	100
23) Vinyl Acetate	5.90	43	5804572	262.429	ug/l	100
24) 1,1-Dichloroethane	5.85	63	804042	49.043	ug/l	99
25) 2-Butanone	6.84	43	1348936	229.585	ug/l	100
26) 2,2-Dichloropropane	6.82	77	529345	49.991	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	465530	48.460	ug/l	100
28) Bromochloromethane	7.19	49	969575	121.761	ug/l	98
29) Tetrahydrofuran	7.21	42	933202	244.998	ug/l	99
30) Chloroform	7.37	83	752924	49.074	ug/l	99
31) Cyclohexane	7.65	56	779416	47.773	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	581534	48.949	ug/l	99
36) 1,1-Dichloropropene	7.79	75	583781	48.702	ug/l	100
37) Ethyl Acetate	6.93	43	553809	49.310	ug/l	99
38) Carbon Tetrachloride	7.77	117	486095	48.847	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	686366	48.623	ug/l	99
40) Benzene	8.04	78	1785189	48.768	ug/l	99
41) Methacrylonitrile	7.17	41	281407	54.966	ug/l	96
42) 1,2-Dichloroethane	8.12	62	587815	48.151	ug/l	100
43) Isopropyl Acetate	8.17	43	890250	50.542	ug/l #	90
44) Trichloroethene	8.83	130	430440	48.893	ug/l	99
45) 1,2-Dichloropropane	9.12	63	500101	49.568	ug/l	100
46) Dibromomethane	9.21	93	292590	49.104	ug/l	99
47) Bromodichloromethane	9.40	83	564005	49.654	ug/l	97
48) Methyl methacrylate	9.20	41	432146	50.222	ug/l	98
49) 1,4-Dioxane	9.20	88	151289	962.043	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2818514	254.673	ug/l	100
52) Toluene	10.16	92	1053355	50.225	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	583020	53.540	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	682990	52.235	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	411027	49.021	ug/l	99
56) Ethyl methacrylate	10.43	69	614210	52.567	ug/l	99
57) 1,3-Dichloropropane	10.71	76	730592	50.405	ug/l	100
59) 2-Hexanone	10.75	43	1922388	251.797	ug/l	100
60) Dibromochloromethane	10.90	129	398266	52.219	ug/l	99
61) 1,2-Dibromoethane	11.00	107	405380	51.173	ug/l	100
64) Tetrachloroethene	10.63	164	400012	46.855	ug/l	99
65) Chlorobenzene	11.43	112	1072558	48.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	375633	49.408	ug/l	99
67) Ethyl Benzene	11.51	91	1982100	49.829	ug/l	100
68) m/p-Xylenes	11.62	106	1462424	100.583	ug/l	100
69) o-Xylene	11.95	106	714452	50.495	ug/l	100
70) Stvrene	11.96	104	1195308	53.121	ug/l	100
71) Bromoform	12.13	173	263717	53.217	ug/l #	100
73) Isopropylbenzene	12.25	105	1883990	42.981	ug/l	99
74) N-amyl acetate	12.07	43	736226	47.595	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	586938	51.778	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	519525m	46.815	ug/l	
77) Bromobenzene	12.53	156	443488	50.744	ug/l	100
78) n-propylbenzene	12.59	91	2138220	45.751	ug/l	100
79) 2-Chlorotoluene	12.67	91	1300899	43.760	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1614393	46.595	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	149763	48.001	ug/l	98
82) 4-Chlorotoluene	12.77	91	1290009	46.714	ug/l	100
83) tert-Butylbenzene	12.99	119	1317494	43.806	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1561127	48.788	ug/l	100
85) sec-Butylbenzene	13.17	105	1770436	45.707	ug/l	100
86) p-Isopropyltoluene	13.29	119	1550747	49.376	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	750317	48.336	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	720033	47.145	ug/l	99
89) n-Butylbenzene	13.61	91	1228980	53.038	ug/l	100
90) Hexachloroethane	13.87	117	236291	48.594	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	734494	47.348	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91328	48.790	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	306008	48.592	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	212452	49.741	ug/l	99
95) Naphthalene	15.13	128	821223	48.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	328644	49.106	ug/l	100

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

