

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080919\
 Data File : VN057159.D
 Acq On : 9 Aug 2019 20:24
 Operator : JC/SP
 Sample : K4262-07MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 3:12:08 PM

Quant Time: Aug 10 08:20:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1040965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1561636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1400777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	564376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	533971	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	6.99	113	489123	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	9.56	98	1828134	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.92	95	600061	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	391496	46.793	ug/l	99
3) Chloromethane	2.00	50	484414	43.576	ug/l	99
4) Vinyl Chloride	2.11	62	486047	47.039	ug/l	98
5) Bromomethane	2.43	94	333617	47.518	ug/l	99
6) Chloroethane	2.55	64	329730	49.750	ug/l	97
7) Trichlorofluoromethane	2.83	101	747736	50.344	ug/l	99
8) Diethyl Ether	3.14	74	288387	50.256	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	444754	49.396	ug/l	99
10) Methyl Iodide	3.63	142	678721	49.884	ug/l	100
11) Tert butyl alcohol	4.23	59	325566	213.703	ug/l	98
12) 1,1-Dichloroethene	3.43	96	452931	51.135	ug/l	99
13) Acrolein	3.31	56	183077	189.961	ug/l	99
14) Allyl chloride	3.91	41	644709	50.085	ug/l	98
15) Acrylonitrile	4.45	53	1072456	260.109	ug/l	98
16) Acetone	3.47	43	799646	247.332	ug/l	100
17) Carbon Disulfide	3.72	76	1159410	49.202	ug/l	99
18) Methyl Acetate	3.89	43	452075	46.890	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	1401353	52.405	ug/l	99
20) Methylene Chloride	4.10	84	522588	48.977	ug/l	97
21) trans-1,2-Dichloroethene	4.51	96	481480	49.900	ug/l	99
22) Diisopropyl ether	5.32	45	1424757	50.744	ug/l	97
23) Vinyl Acetate	5.26	43	5178644	240.859	ug/l	100
24) 1,1-Dichloroethane	5.25	63	882041	51.102	ug/l	98
25) 2-Butanone	6.20	43	1279870	259.100	ug/l	98
26) 2,2-Dichloropropane	6.21	77	588349	46.853	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	567945	51.380	ug/l	99
28) Bromochloromethane	6.59	49	423611	53.357	ug/l	99
29) Tetrahydrofuran	6.60	42	853822	256.590	ug/l	98
30) Chloroform	6.76	83	903262	50.562	ug/l	98
31) Cyclohexane	7.07	56	736991	47.460	ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	785687	52.428	ug/l	99
36) 1,1-Dichloropropene	7.20	75	662597	51.533	ug/l	99
37) Ethyl Acetate	6.28	43	505224	47.666	ug/l #	100
38) Carbon Tetrachloride	7.19	117	699294	52.186	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	753623	48.198	ug/l	96
40) Benzene	7.46	78	2022339	49.684	ug/l	99
41) Methacrylonitrile	6.55	41	277809	51.599	ug/l	98
42) 1,2-Dichloroethane	7.54	62	656713	50.588	ug/l	99
43) Isopropyl Acetate	7.56	43	885181	48.938	ug/l	98
44) Trichloroethene	8.27	130	571171	50.087	ug/l	100
45) 1,2-Dichloropropane	8.56	63	533479	50.618	ug/l	99
46) Dibromomethane	8.65	93	347997	51.496	ug/l	99
47) Bromodichloromethane	8.85	83	702441	53.721	ug/l	99
48) Methyl methacrylate	8.64	41	425998	49.946	ug/l	97
49) 1,4-Dioxane	8.64	88	172876	995.187	ug/l	98
51) 4-Methyl-2-Pentanone	9.45	43	2696967	256.196	ug/l	100
52) Toluene	9.63	92	1291351	51.110	ug/l	100
53) t-1,3-Dichloropropene	9.86	75	718270	52.582	ug/l	97
54) cis-1,3-Dichloropropene	9.30	75	806063	51.425	ug/l	100
55) 1,1,2-Trichloroethane	10.04	97	502315	50.557	ug/l	99
56) Ethyl methacrylate	9.90	69	730745	52.529	ug/l	99
57) 1,3-Dichloropropane	10.19	76	832586	50.815	ug/l	100
59) 2-Hexanone	10.24	43	1881032	264.021	ug/l	99
60) Dibromochloromethane	10.39	129	568121	54.445	ug/l	99
61) 1,2-Dibromoethane	10.50	107	525357	51.241	ug/l	100
64) Tetrachloroethene	10.11	164	569947	48.925	ug/l	96
65) Chlorobenzene	10.93	112	1390853	49.348	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	543888	51.616	ug/l	99
67) Ethyl Benzene	11.01	91	2457688	50.665	ug/l	100
68) m/p-Xylenes	11.13	106	1823954	102.063	ug/l	98
69) o-Xylene	11.46	106	908823	51.098	ug/l	97
70) Styrene	11.47	104	1306920	47.045	ug/l	98
71) Bromoform	11.64	173	433882	56.212	ug/l #	99
73) Isopropylbenzene	11.77	105	2431351	53.054	ug/l	98
74) N-amyl acetate	11.58	43	645127	45.108	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	689794	56.604	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	560099m	50.902	ug/l	
77) Bromobenzene	12.05	156	636159	46.896	ug/l	99
78) n-propylbenzene	12.11	91	2515012	46.451	ug/l	100
79) 2-Chlorotoluene	12.20	91	1550675	51.459	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	2014974	46.246	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	191199	49.812	ug/l	97
82) 4-Chlorotoluene	12.30	91	1478671	47.167	ug/l	99
83) tert-Butylbenzene	12.52	119	1804720	52.654	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	1915671	45.487	ug/l	99
85) sec-Butylbenzene	12.70	105	2228835	45.328	ug/l	99
86) p-Isopropyltoluene	12.82	119	1970967	45.681	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	955348	49.468	ug/l	100
88) 1,4-Dichlorobenzene	12.90	146	903390	49.370	ug/l	99
89) n-Butylbenzene	13.15	91	1416245	47.510	ug/l	98
90) Hexachloroethane	13.41	117	371256	54.211	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	960399	49.799	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	96762	48.773	ug/l	98
93) 1,2,4-Trichlorobenzene	14.45	180	360580	44.786	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.55	225	358477	53.528	ug/l	98
95) Naphthalene	14.67	128	676466	42.783	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	345051	41.843	ug/l	99

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

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