

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058880.D
 Acq On : 21 Oct 2019 12:11
 Operator : JC/SP
 Sample : K5451-04MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMS

Manual Integrations
 APPROVED

Quant Time: Oct 22 04:18:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	440084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	714934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	656973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	320604	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	7.57	113	232145	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.08	98	908117	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	332537	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	259790	47.347	ug/l	99
3) Chloromethane	2.04	50	314030	46.210	ug/l	100
4) Vinyl Chloride	2.17	62	321427	47.637	ug/l	99
5) Bromomethane	2.54	94	198882	47.069	ug/l	99
6) Chloroethane	2.68	64	203176	46.955	ug/l	99
7) Trichlorofluoromethane	3.00	101	394051	47.198	ug/l	100
8) Diethyl Ether	3.39	74	140123	48.568	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	217047	46.895	ug/l	100
10) Methyl Iodide	3.93	142	294565	48.390	ug/l	99
11) Tert butyl alcohol	4.76	59	249688	233.114	ug/l	100
12) 1,1-Dichloroethene	3.72	96	211701	48.797	ug/l	98
13) Acrolein	3.58	56	176861	240.314	ug/l	99
14) Allyl chloride	4.30	41	437461	49.831	ug/l	99
15) Acrylonitrile	4.96	53	675828	250.841	ug/l	100
16) Acetone	3.79	43	599734	188.037	ug/l	98
17) Carbon Disulfide	4.03	76	658544	47.122	ug/l	99
18) Methyl Acetate	4.30	43	340496	46.957	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	776049	51.085	ug/l	99
20) Methylene Chloride	4.53	84	254203	46.677	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	233199	48.673	ug/l	96
22) Diisopropyl ether	5.93	45	883646	51.461	ug/l	97
23) Vinyl Acetate	5.87	43	3798662	275.348	ug/l	100
24) 1,1-Dichloroethane	5.82	63	486065	48.818	ug/l	99
25) 2-Butanone	6.81	43	943954	227.996	ug/l	99
26) 2,2-Dichloropropane	6.80	77	424259	49.262	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	283549	51.807	ug/l	99
28) Bromochloromethane	7.18	49	161456	48.691	ug/l	100
29) Tetrahydrofuran	7.19	42	637182	251.580	ug/l	100
30) Chloroform	7.35	83	475068	47.566	ug/l	99
31) Cyclohexane	7.63	56	438187	47.240	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	412276	48.973	ug/l	100
36) 1,1-Dichloropropene	7.78	75	361571	49.399	ug/l	99
37) Ethyl Acetate	6.91	43	435859	54.650	ug/l	100
38) Carbon Tetrachloride	7.76	117	360817	47.851	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	412842	50.232	ug/l	99
40) Benzene	8.02	78	1063093	49.461	ug/l	98
41) Methacrylonitrile	7.16	41	162626m	45.783	ug/l	
42) 1,2-Dichloroethane	8.11	62	403456	48.730	ug/l	99
43) Isopropyl Acetate	8.15	43	644721	50.405	ug/l	100
44) Trichloroethene	8.82	130	289323	55.259	ug/l	99
45) 1,2-Dichloropropane	9.11	63	290593	49.305	ug/l	99
46) Dibromomethane	9.20	93	180757	48.513	ug/l	99
47) Bromodichloromethane	9.39	83	378897	49.340	ug/l	98
48) Methyl methacrylate	9.19	41	301146	51.893	ug/l	100
49) 1,4-Dioxane	9.19	88	85753	900.163	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1986064	265.836	ug/l	100
52) Toluene	10.15	92	652795	51.216	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	433253	50.964	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	449259	49.464	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	257944	49.125	ug/l	99
56) Ethyl methacrylate	10.43	69	409767	46.607	ug/l	100
57) 1,3-Dichloropropane	10.70	76	452706	49.124	ug/l	99
59) 2-Hexanone	10.75	43	1485753	257.358	ug/l	99
60) Dibromochloromethane	10.90	129	280902	49.703	ug/l	99
61) 1,2-Dibromoethane	11.00	107	264665	49.254	ug/l	100
64) Tetrachloroethene	10.63	164	224760	48.850	ug/l	98
65) Chlorobenzene	11.43	112	677360	50.643	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	256519	50.824	ug/l	98
67) Ethyl Benzene	11.51	91	1261912	53.783	ug/l	99
68) m/p-Xylenes	11.62	106	924428	106.242	ug/l	99
69) o-Xylene	11.95	106	441435	53.194	ug/l	99
70) Stvrene	11.96	104	739477	48.334	ug/l	99
71) Bromoform	12.13	173	199805	51.051	ug/l #	98
73) Isopropylbenzene	12.25	105	1214481	51.988	ug/l	100
74) N-amyl acetate	12.07	43	570406	53.859	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	400770	48.791	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	346976m	46.836	ug/l	
77) Bromobenzene	12.53	156	282493	49.061	ug/l	99
78) n-propylbenzene	12.59	91	1433912	51.928	ug/l	100
79) 2-Chlorotoluene	12.68	91	843193	49.892	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1036649	52.817	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	141581	49.786	ug/l	98
82) 4-Chlorotoluene	12.78	91	873233	50.561	ug/l	99
83) tert-Butylbenzene	13.00	119	879378	52.394	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1032925	53.356	ug/l	99
85) sec-Butylbenzene	13.17	105	1177965	52.642	ug/l	100
86) p-Isopropyltoluene	13.29	119	1067776	54.080	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	510265	49.561	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	501706	48.672	ug/l	100
89) n-Butylbenzene	13.62	91	935794	51.594	ug/l	100
90) Hexachloroethane	13.88	117	198691	49.661	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	506921	50.094	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84310	45.380	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	279535	44.189	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	151905	46.314	ug/l	100
95) Naphthalene	15.13	128	783936	43.136	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	267005	43.386	ug/l	98

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

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