

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110119\
 Data File : VN059070.D
 Acq On : 1 Nov 2019 18:10
 Operator : JC/SP
 Sample : VN1101WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/5/2019 1:59:37 PM

Quant Time: Nov 04 12:09:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	461497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	731881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	665421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	303663	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	315855	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
35) Dibromofluoromethane	7.57	113	239652	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.08	98	950414	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.40	95	324118	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	98942	19.829	ug/l	98
3) Chloromethane	2.04	50	126960	18.765	ug/l	99
4) Vinyl Chloride	2.17	62	127929	19.479	ug/l	96
5) Bromomethane	2.55	94	73423	18.910	ug/l	100
6) Chloroethane	2.68	64	76342	18.981	ug/l	96
7) Trichlorofluoromethane	3.00	101	157616	20.197	ug/l	99
8) Diethyl Ether	3.39	74	62135	20.388	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	91161	19.819	ug/l	99
10) Methyl Iodide	3.93	142	104894	18.762	ug/l	98
11) Tert butyl alcohol	4.76	59	109430	96.739	ug/l	99
12) 1,1-Dichloroethene	3.71	96	89278	19.516	ug/l	100
13) Acrolein	3.58	56	65343	91.546	ug/l	97
14) Allyl chloride	4.30	41	172465	19.026	ug/l	97
15) Acrylonitrile	4.95	53	278109	98.008	ug/l	100
16) Acetone	3.79	43	276902	89.489	ug/l	100
17) Carbon Disulfide	4.03	76	271367	18.659	ug/l	99
18) Methyl Acetate	4.30	43	146488	18.687	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	303055	19.451	ug/l	100
20) Methylene Chloride	4.52	84	104594	19.309	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	95692	19.485	ug/l	98
22) Diisopropyl ether	5.92	45	346221	20.052	ug/l	96
23) Vinyl Acetate	5.87	43	1429135	103.923	ug/l	100
24) 1,1-Dichloroethane	5.82	63	191229	19.372	ug/l	99
25) 2-Butanone	6.81	43	389901	94.633	ug/l	98
26) 2,2-Dichloropropane	6.80	77	160151	18.692	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	108110	19.551	ug/l	100
28) Bromochloromethane	7.17	49	54378	17.849	ug/l	98
29) Tetrahydrofuran	7.19	42	259122	99.653	ug/l	99
30) Chloroform	7.35	83	183275	19.416	ug/l	99
31) Cyclohexane	7.63	56	180711	19.193	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	157392	19.708	ug/l	98
36) 1,1-Dichloropropene	7.77	75	138550	19.047	ug/l	99
37) Ethyl Acetate	6.90	43	154465	19.112	ug/l	99
38) Carbon Tetrachloride	7.75	117	140372	19.801	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	159639	18.987	ug/l	97
40) Benzene	8.02	78	418547	19.389	ug/l	99
41) Methacrylonitrile	7.16	41	75381m	21.569	ug/l	
42) 1,2-Dichloroethane	8.10	62	150846	20.121	ug/l	99
43) Isopropyl Acetate	8.14	43	243752	19.286	ug/l	99
44) Trichloroethene	8.82	130	101928	19.191	ug/l	97
45) 1,2-Dichloropropane	9.10	63	114805	19.665	ug/l	100
46) Dibromomethane	9.19	93	68249	18.915	ug/l	99
47) Bromodichloromethane	9.39	83	140775	19.265	ug/l	99
48) Methyl methacrylate	9.18	41	108055	18.750	ug/l	99
49) 1,4-Dioxane	9.18	88	39842	423.824	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	769267	104.773	ug/l	98
52) Toluene	10.15	92	255714	20.216	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	160657	19.013	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	179011	20.085	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	101636	19.725	ug/l	99
56) Ethyl methacrylate	10.42	69	152715	18.674	ug/l	98
57) 1,3-Dichloropropane	10.70	76	174642	19.489	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	314861	100.032	ug/l	99
59) 2-Hexanone	10.75	43	570731	102.320	ug/l	98
60) Dibromochloromethane	10.90	129	106582	19.194	ug/l	99
61) 1,2-Dibromoethane	11.00	107	104054	19.934	ug/l	99
64) Tetrachloroethene	10.63	164	93607	20.138	ug/l	98
65) Chlorobenzene	11.43	112	265197	19.418	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	99373	19.777	ug/l	99
67) Ethyl Benzene	11.51	91	476038	20.135	ug/l	99
68) m/p-Xylenes	11.62	106	355667	40.288	ug/l	100
69) o-Xylene	11.95	106	165906	19.680	ug/l	99
70) Styrene	11.96	104	267895	19.610	ug/l	98
71) Bromoform	12.13	173	74592	19.179	ug/l #	100
73) Isopropylbenzene	12.25	105	453914	20.319	ug/l	100
74) N-amyl acetate	12.07	43	194866	19.609	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	153672	19.311	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	142137m	19.780	ug/l	
77) Bromobenzene	12.53	156	110739	19.825	ug/l	98
78) n-propylbenzene	12.59	91	532949	20.598	ug/l	100
79) 2-Chlorotoluene	12.68	91	317872	19.786	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	382990	20.172	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51345	18.317	ug/l	96
82) 4-Chlorotoluene	12.78	91	320324	19.536	ug/l	98
83) tert-Butylbenzene	13.00	119	326385	20.236	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	379768	20.585	ug/l	99
85) sec-Butylbenzene	13.17	105	433748	20.519	ug/l	99
86) p-Isopropyltoluene	13.29	119	385147	20.210	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	193983	19.546	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	187584	19.108	ug/l	97
89) n-Butylbenzene	13.62	91	329691	19.854	ug/l	98
90) Hexachloroethane	13.88	117	74075	19.554	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	192493	19.492	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31943	18.583	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	100697	18.906	ug/l	99
94) Hexachlorobutadiene	15.01	225	61118	19.119	ug/l	98
95) Naphthalene	15.13	128	271548	18.365	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	102605	18.928	ug/l	99

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

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