

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083119\
 Data File : VN057592.D
 Acq On : 30 Aug 2019 17:05
 Operator : JC/SP
 Sample : VN0831WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 11:28:43 AM

Quant Time: Aug 31 01:03:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 11:59:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	406601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	640311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	577659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	263376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	350905	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
35) Dibromofluoromethane	7.58	113	276926	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	10.09	98	1059864	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.40	95	335277	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	93739	20.517	ug/l	97
3) Chloromethane	2.06	50	87965	19.284	ug/l	90
4) Vinyl Chloride	2.18	62	140454	20.871	ug/l	99
5) Bromomethane	2.55	94	132794	22.915	ug/l	96
6) Chloroethane	2.70	64	94081	20.851	ug/l	97
7) Trichlorofluoromethane	3.01	101	306656	21.938	ug/l	100
8) Diethyl Ether	3.40	74	96045	20.680	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.74	101	180968	22.106	ug/l #	84
10) Methyl Iodide	3.93	142	278439	20.778	ug/l	94
11) Tert butyl alcohol	4.80	59	60217	91.753	ug/l	98
12) 1,1-Dichloroethene	3.72	96	170263	22.101	ug/l #	70
13) Acrolein	3.59	56	52227	92.938	ug/l	94
14) Allyl chloride	4.30	41	107976	19.148	ug/l #	83
15) Acrylonitrile	4.97	53	160623	98.847	ug/l	99
16) Acetone	3.81	43	283827	105.508	ug/l	95
17) Carbon Disulfide	4.03	76	172468	16.376	ug/l	98
18) Methyl Acetate	4.31	43	85923	21.779	ug/l #	88
19) Methyl tert-butyl Ether	5.03	73	278005	18.944	ug/l	93
20) Methylene Chloride	4.53	84	90680	18.196	ug/l	85
21) trans-1,2-Dichloroethene	5.01	96	89598	18.592	ug/l	81
22) Diisopropyl ether	5.94	45	260961	20.644	ug/l #	91
23) Vinyl Acetate	5.88	43	1033565	104.632	ug/l #	92
24) 1,1-Dichloroethane	5.83	63	165970	19.939	ug/l	99
25) 2-Butanone	6.83	43	221590	104.357	ug/l #	85
26) 2,2-Dichloropropane	6.81	77	151805	17.862	ug/l	79
27) cis-1,2-Dichloroethene	6.81	96	111580	19.118	ug/l	83
28) Bromochloromethane	7.18	49	80952	23.136	ug/l #	58
29) Tetrahydrofuran	7.21	42	136795	103.016	ug/l #	78
30) Chloroform	7.36	83	194540	18.833	ug/l	99
31) Cyclohexane	7.64	56	150917	19.523	ug/l #	82
32) 1,1,1-Trichloroethane	7.56	97	175647	19.129	ug/l	96
36) 1,1-Dichloropropene	7.78	75	132617	19.146	ug/l	95
37) Ethyl Acetate	6.92	43	95257	20.756	ug/l #	95
38) Carbon Tetrachloride	7.76	117	144679	17.862	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	167937	19.056	ug/l	89
40) Benzene	8.03	78	406380	19.158	ug/l	98
41) Methacrylonitrile	7.17	41	46803	22.992	ug/l	90
42) 1,2-Dichloroethane	8.11	62	153000	20.265	ug/l	98
43) Isopropyl Acetate	8.16	43	169328	19.767	ug/l #	93
44) Trichloroethene	8.83	130	114065	19.473	ug/l	85
45) 1,2-Dichloropropane	9.11	63	98142	19.799	ug/l	98
46) Dibromomethane	9.20	93	76118	19.583	ug/l #	86
47) Bromodichloromethane	9.40	83	148665	18.552	ug/l	97
48) Methyl methacrylate	9.19	41	80072	19.792	ug/l #	81
49) 1,4-Dioxane	9.20	88	29539	400.091	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	480527	104.960	ug/l	93
52) Toluene	10.15	92	265963	19.353	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	139285	17.986	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	156150	18.616	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	102268	19.349	ug/l	97
56) Ethyl methacrylate	10.43	69	134393	19.103	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	168432	19.948	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	172674	104.615	ug/l #	86
59) 2-Hexanone	10.75	43	333619	105.547	ug/l	93
60) Dibromochloromethane	10.90	129	104781	17.380	ug/l	100
61) 1,2-Dibromoethane	11.00	107	105994	19.164	ug/l	96
64) Tetrachloroethene	10.63	164	111640	18.817	ug/l	91
65) Chlorobenzene	11.43	112	282655	19.494	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	104035	18.193	ug/l	98
67) Ethyl Benzene	11.51	91	509783	20.021	ug/l	96
68) m/p-Xylenes	11.62	106	383446	39.540	ug/l	93
69) o-Xylene	11.95	106	188878	19.395	ug/l	93
70) Styrene	11.96	104	291617	19.838	ug/l	96
71) Bromoform	12.13	173	61539	16.122	ug/l #	98
73) Isopropylbenzene	12.25	105	506795	18.032	ug/l	99
74) N-amyl acetate	12.07	43	139348	22.821	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.51	83	124568	20.673	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	114409m	21.757	ug/l	
77) Bromobenzene	12.53	156	116651	17.954	ug/l	74
78) n-propylbenzene	12.59	91	523221	18.792	ug/l	97
79) 2-Chlorotoluene	12.67	91	310328	17.894	ug/l	91
80) 1,3,5-Trimethylbenzene	12.73	105	420765	19.078	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	28192	16.095	ug/l	95
82) 4-Chlorotoluene	12.77	91	297011	18.458	ug/l	93
83) tert-Butylbenzene	12.99	119	366660	19.742	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	399171	19.789	ug/l	98
85) sec-Butylbenzene	13.17	105	456743	18.841	ug/l	97
86) p-Isopropyltoluene	13.29	119	409490	19.653	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	178660	18.934	ug/l	95
88) 1,4-Dichlorobenzene	13.37	146	171278	18.928	ug/l	97
89) n-Butylbenzene	13.62	91	304196	19.272	ug/l	97
90) Hexachloroethane	13.88	117	63837	14.559	ug/l	83
91) 1,2-Dichlorobenzene	13.66	146	173682	19.721	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17623	17.838	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47989	15.928	ug/l	96
94) Hexachlorobutadiene	15.01	225	57044	19.654	ug/l	98
95) Naphthalene	15.13	128	144643	16.598	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	47556	15.978	ug/l	96

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

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