

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058427.D
 Acq On : 30 Sep 2019 12:15
 Operator : JC/SP
 Sample : VN0930WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:22:16 AM

Quant Time: Oct 01 08:02:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	425067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	725538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	646265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	299712	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	310444	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	7.57	113	223300	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.08	98	871263	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.41	95	310460	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96268	20.655	ug/l	97
3) Chloromethane	2.04	50	108374	21.150	ug/l	100
4) Vinyl Chloride	2.17	62	105323	20.982	ug/l	98
5) Bromomethane	2.55	94	53775	20.169	ug/l	97
6) Chloroethane	2.69	64	62894	20.912	ug/l	100
7) Trichlorofluoromethane	3.00	101	128091	21.146	ug/l	95
8) Diethyl Ether	3.39	74	54113	20.705	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84872	20.631	ug/l	99
10) Methyl Iodide	3.93	142	88347	19.368	ug/l	98
11) Tert butyl alcohol	4.76	59	77715	112.620	ug/l	100
12) 1,1-Dichloroethene	3.72	96	80758	20.140	ug/l	100
13) Acrolein	3.59	56	27699	126.201	ug/l	98
14) Allyl chloride	4.30	41	148422	20.339	ug/l	100
15) Acrylonitrile	4.96	53	216420	107.610	ug/l	99
16) Acetone	3.80	43	217185	102.567	ug/l	99
17) Carbon Disulfide	4.03	76	219928	20.807	ug/l	97
18) Methyl Acetate	4.30	43	103431	19.421	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	289686	20.475	ug/l	98
20) Methylene Chloride	4.53	84	97485	19.949	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	92814	20.815	ug/l	96
22) Diisopropyl ether	5.93	45	317126	20.195	ug/l	98
23) Vinyl Acetate	5.87	43	1302156	109.975	ug/l	99
24) 1,1-Dichloroethane	5.83	63	183953	20.815	ug/l	99
25) 2-Butanone	6.82	43	308224	106.019	ug/l	99
26) 2,2-Dichloropropane	6.81	77	146230	20.126	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	106950	20.522	ug/l	98
28) Bromochloromethane	7.17	49	77126	21.832	ug/l	99
29) Tetrahydrofuran	7.19	42	194939	105.646	ug/l	100
30) Chloroform	7.36	83	186700	20.847	ug/l	98
31) Cyclohexane	7.64	56	177072	20.598	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	157362	21.398	ug/l	100
36) 1,1-Dichloropropene	7.78	75	139425	20.097	ug/l	99
37) Ethyl Acetate	6.91	43	127352	21.652	ug/l	99
38) Carbon Tetrachloride	7.76	117	129316	20.650	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	167455	20.669	ug/l	99
40) Benzene	8.03	78	409470	20.533	ug/l	99
41) Methacrylonitrile	7.16	41	57392	21.210	ug/l	96
42) 1,2-Dichloroethane	8.11	62	157528	20.304	ug/l	99
43) Isopropyl Acetate	8.15	43	211093	19.085	ug/l	98
44) Trichloroethene	8.82	130	100308	20.371	ug/l	96
45) 1,2-Dichloropropane	9.11	63	110859	20.728	ug/l	100
46) Dibromomethane	9.20	93	70155	20.713	ug/l	98
47) Bromodichloromethane	9.39	83	136794	21.317	ug/l	99
48) Methyl methacrylate	9.19	41	100240	19.903	ug/l	98
49) 1,4-Dioxane	9.19	88	35768	531.126	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	631639	111.175	ug/l	98
52) Toluene	10.15	92	249951	19.913	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	143139	20.493	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	162044	20.900	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	95561	20.909	ug/l	99
56) Ethyl methacrylate	10.43	69	145217	20.939	ug/l	100
57) 1,3-Dichloropropane	10.71	76	171391	21.024	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	282252	102.067	ug/l	99
59) 2-Hexanone	10.75	43	459426	111.054	ug/l	99
60) Dibromochloromethane	10.90	129	93013	19.313	ug/l	98
61) 1,2-Dibromoethane	11.00	107	97094	20.791	ug/l	98
64) Tetrachloroethene	10.63	164	81009	19.730	ug/l	97
65) Chlorobenzene	11.43	112	262345	20.422	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91255	21.084	ug/l	99
67) Ethyl Benzene	11.51	91	487405	20.947	ug/l	99
68) m/p-Xylenes	11.62	106	350629	40.051	ug/l	94
69) o-Xylene	11.95	106	171367	20.334	ug/l	97
70) Styrene	11.97	104	286762	20.945	ug/l	99
71) Bromoform	12.13	173	57334	19.597	ug/l #	99
73) Isopropylbenzene	12.25	105	474448	21.420	ug/l	100
74) N-amyl acetate	12.07	43	180603	20.496	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	137374	20.974	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	118677m	21.679	ug/l	
77) Bromobenzene	12.53	156	108783	20.946	ug/l	99
78) n-propylbenzene	12.60	91	544606	21.825	ug/l	100
79) 2-Chlorotoluene	12.68	91	320480	20.807	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	396720	21.397	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34963	19.397	ug/l	90
82) 4-Chlorotoluene	12.78	91	325864	20.734	ug/l	99
83) tert-Butylbenzene	13.00	119	335170	21.423	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	391240	21.061	ug/l	99
85) sec-Butylbenzene	13.18	105	452558	21.977	ug/l	100
86) p-Isopropyltoluene	13.29	119	398031	21.959	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	190531	20.232	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	190555	20.338	ug/l	98
89) n-Butylbenzene	13.62	91	348919	21.250	ug/l	100
90) Hexachloroethane	13.88	117	60802	22.325	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	187634	20.737	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24671	21.360	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	105369	21.073	ug/l	98
94) Hexachlorobutadiene	15.02	225	53459	20.801	ug/l	98
95) Naphthalene	15.13	128	283828	19.365	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	100815	20.096	ug/l	99

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

