

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058024.D
 Acq On : 13 Sep 2019 18:17
 Operator : JC/SP
 Sample : VN0914WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:44 PM

Quant Time: Sep 14 04:35:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	317545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	521922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	482955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	278725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	337390	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.57	113	240581	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.09	98	958692	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.41	95	331568	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	90880	20.694	ug/l	98
3) Chloromethane	2.04	50	78208	17.473	ug/l	99
4) Vinyl Chloride	2.17	62	81572	17.220	ug/l	99
5) Bromomethane	2.55	94	45586	16.492	ug/l	90
6) Chloroethane	2.69	64	53552	17.741	ug/l	97
7) Trichlorofluoromethane	3.00	101	106357	17.841	ug/l	97
8) Diethyl Ether	3.39	74	46944	18.880	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78898	20.980	ug/l	99
10) Methyl Iodide	3.93	142	71013	16.969	ug/l	98
11) Tert butyl alcohol	4.75	59	68837	88.430	ug/l	98
12) 1,1-Dichloroethene	3.72	96	64401	19.046	ug/l	92
13) Acrolein	3.58	56	9345	14.150	ug/l	89
14) Allyl chloride	4.30	41	120177	18.161	ug/l	97
15) Acrylonitrile	4.96	53	221971	103.744	ug/l	99
16) Acetone	3.80	43	187710	89.029	ug/l	95
17) Carbon Disulfide	4.03	76	84984	16.256	ug/l	99
18) Methyl Acetate	4.30	43	125295	22.288	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	294841	20.953	ug/l	98
20) Methylene Chloride	4.53	84	88648	21.381	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	68815	18.827	ug/l	97
22) Diisopropyl ether	5.93	45	323333	20.836	ug/l	95
23) Vinyl Acetate	5.87	43	1149213	104.497	ug/l	100
24) 1,1-Dichloroethane	5.83	63	174111	20.530	ug/l	98
25) 2-Butanone	6.81	43	299146	98.029	ug/l	97
26) 2,2-Dichloropropane	6.81	77	126018	18.776	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	98238	20.055	ug/l	97
28) Bromochloromethane	7.18	49	93642	22.101	ug/l	97
29) Tetrahydrofuran	7.19	42	187353	99.634	ug/l	100
30) Chloroform	7.36	83	183104	20.649	ug/l	99
31) Cyclohexane	7.64	56	122826	19.906	ug/l	94
32) 1,1,1-Trichloroethane	7.56	97	140513	19.979	ug/l	98
36) 1,1-Dichloropropene	7.78	75	110207	18.207	ug/l	98
37) Ethyl Acetate	6.91	43	121491	19.427	ug/l	99
38) Carbon Tetrachloride	7.76	117	108928	19.711	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	115534	18.157	ug/l	98
40) Benzene	8.03	78	359484	19.727	ug/l	100
41) Methacrylonitrile	7.16	41	57011m	20.083	ug/l	
42) 1,2-Dichloroethane	8.11	62	149891	20.566	ug/l	100
43) Isopropyl Acetate	8.15	43	219144	20.837	ug/l #	90
44) Trichloroethene	8.82	130	88160	19.724	ug/l	95
45) 1,2-Dichloropropane	9.11	63	108997	20.555	ug/l	99
46) Dibromomethane	9.20	93	66533	20.764	ug/l	99
47) Bromodichloromethane	9.40	83	131968	20.624	ug/l	97
48) Methyl methacrylate	9.19	41	102886	19.286	ug/l	98
49) 1,4-Dioxane	9.19	88	30622	339.428	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	652707	104.877	ug/l	99
52) Toluene	10.15	92	224739	19.581	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	130344	19.344	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	144718	19.453	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	100746	20.722	ug/l	99
56) Ethyl methacrylate	10.43	69	143235	19.564	ug/l	99
57) 1,3-Dichloropropane	10.71	76	171488	20.467	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	315154	91.394	ug/l	100
59) 2-Hexanone	10.75	43	457795	98.139	ug/l	99
60) Dibromochloromethane	10.90	129	86333	19.123	ug/l	100
61) 1,2-Dibromoethane	11.00	107	92110	20.040	ug/l	97
64) Tetrachloroethene	10.63	164	71564	20.069	ug/l	98
65) Chlorobenzene	11.43	112	251653	19.910	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88763	20.239	ug/l	99
67) Ethyl Benzene	11.51	91	459820	20.759	ug/l	99
68) m/p-Xylenes	11.62	106	328857	40.530	ug/l	99
69) o-Xylene	11.95	106	165355	20.499	ug/l	99
70) Styrene	11.97	104	281851	20.303	ug/l	98
71) Bromoform	12.13	173	49231	18.005	ug/l #	97
73) Isopropylbenzene	12.25	105	456640	21.113	ug/l	99
74) N-amyl acetate	12.07	43	180736	19.201	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	148116	20.339	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	131883m	20.916	ug/l	
77) Bromobenzene	12.53	156	106088	19.674	ug/l	98
78) n-propylbenzene	12.60	91	529821	21.333	ug/l	100
79) 2-Chlorotoluene	12.68	91	316623	20.171	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	386927	21.173	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	29476	16.451	ug/l	88
82) 4-Chlorotoluene	12.78	91	324477	20.129	ug/l	100
83) tert-Butylbenzene	13.00	119	337294	20.764	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	389368	20.964	ug/l	99
85) sec-Butylbenzene	13.18	105	456183	21.188	ug/l	99
86) p-Isopropyltoluene	13.29	119	396340	20.892	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	199463	20.152	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	192303	19.141	ug/l	97
89) n-Butylbenzene	13.62	91	364576	20.350	ug/l	99
90) Hexachloroethane	13.88	117	55188	19.561	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	201463	20.374	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22429	18.650	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	116441	18.016	ug/l	98
94) Hexachlorobutadiene	15.02	225	53758	19.622	ug/l	98
95) Naphthalene	15.13	128	320930	18.685	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	110913	20.263	ug/l	99

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

