

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058388.D
 Acq On : 26 Sep 2019 16:04
 Operator : JC/SP
 Sample : VN09216WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN09216WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/27/2019 11:19:30 AM

Quant Time: Sep 27 04:57:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	464107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	791209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	663700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	299317	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	329625	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	7.57	113	227123	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
50) Toluene-d8	10.09	98	870353	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
62) 4-Bromofluorobenzene	12.41	95	297410	42.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	58736	15.406	ug/l	99
3) Chloromethane	2.04	50	49195	16.038	ug/l	99
4) Vinyl Chloride	2.17	62	50453	15.067	ug/l	98
5) Bromomethane	2.50	94	9901	6.459	ug/l	95
6) Chloroethane	2.61	64	16370m	6.426	ug/l	
7) Trichlorofluoromethane	2.92	101	87188	16.754	ug/l	95
8) Diethyl Ether	3.38	74	46819	19.635	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.70	101	72608	19.352	ug/l	98
10) Methyl Iodide	3.90	142	13587	4.322	ug/l	98
11) Tert butyl alcohol	4.89	59	50025m	65.059	ug/l	
12) 1,1-Dichloroethene	3.68	96	53580	18.594	ug/l	94
13) Acrolein	3.59	56	5949	52.207	ug/l	93
14) Allyl chloride	4.28	41	89757	14.620	ug/l	96
15) Acrylonitrile	4.97	53	211067	103.029	ug/l	100
16) Acetone	3.81	43	201834	91.986	ug/l	97
17) Carbon Disulfide	4.00	76	55877	14.137	ug/l	97
18) Methyl Acetate	4.30	43	131325	22.746	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	300550	21.238	ug/l	100
20) Methylene Chloride	4.51	84	77909	20.148	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	58577	18.626	ug/l	96
22) Diisopropyl ether	5.93	45	329185	21.108	ug/l	98
23) Vinyl Acetate	5.87	43	1123907	105.320	ug/l	99
24) 1,1-Dichloroethane	5.81	63	163074	19.592	ug/l	98
25) 2-Butanone	6.82	43	283324	94.779	ug/l	99
26) 2,2-Dichloropropane	6.79	77	127061	17.994	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	89860	19.093	ug/l	99
28) Bromochloromethane	7.18	49	75992	19.299	ug/l	98
29) Tetrahydrofuran	7.20	42	181343	98.485	ug/l	99
30) Chloroform	7.35	83	171193	19.107	ug/l	97
31) Cyclohexane	7.63	56	106345	18.231	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	128480	18.837	ug/l	100
36) 1,1-Dichloropropene	7.77	75	96599	16.930	ug/l	98
37) Ethyl Acetate	6.91	43	131196	22.156	ug/l	99
38) Carbon Tetrachloride	7.75	117	96908	16.896	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	97951	17.801	ug/l	96
40) Benzene	8.02	78	324913	18.644	ug/l	99
41) Methacrylonitrile	7.16	41	51025	17.704	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	141476	19.347	ug/l	99
43) Isopropyl Acetate	8.16	43	264658	23.932	ug/l #	86
44) Trichloroethene	8.82	130	76692	17.983	ug/l	100
45) 1,2-Dichloropropane	9.11	63	103444	19.876	ug/l	95
46) Dibromomethane	9.20	93	59214	18.713	ug/l	98
47) Bromodichloromethane	9.39	83	119585	18.040	ug/l	99
48) Methyl methacrylate	9.19	41	96602	19.239	ug/l	99
49) 1,4-Dioxane	9.21	88	13833	167.799	ug/l	89
51) 4-Methyl-2-Pentanone	9.99	43	624043	106.239	ug/l	99
52) Toluene	10.15	92	195526	17.902	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	124650	18.357	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	135164	18.029	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	95330	19.668	ug/l	98
56) Ethyl methacrylate	10.43	69	132560	18.955	ug/l	98
57) 1,3-Dichloropropane	10.71	76	161084	19.332	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	382712	114.892	ug/l	99
59) 2-Hexanone	10.76	43	443712	101.710	ug/l	97
60) Dibromochloromethane	10.90	129	78789	16.897	ug/l	98
61) 1,2-Dibromoethane	11.00	107	83331	18.552	ug/l	98
64) Tetrachloroethene	10.63	164	61284	18.942	ug/l	98
65) Chlorobenzene	11.44	112	223631	19.156	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	82138	19.404	ug/l	100
67) Ethyl Benzene	11.51	91	399182	19.956	ug/l	98
68) m/p-Xylenes	11.63	106	284055	37.704	ug/l	97
69) o-Xylene	11.95	106	143713	19.400	ug/l	99
70) Styrene	11.97	104	244963	19.192	ug/l	98
71) Bromoform	12.13	173	44987	16.899	ug/l #	98
73) Isopropylbenzene	12.25	105	409876	21.877	ug/l	100
74) N-amyl acetate	12.08	43	179603	22.915	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	139745	22.274	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	121636m	22.707	ug/l	
77) Bromobenzene	12.53	156	93864	19.917	ug/l	96
78) n-propylbenzene	12.60	91	465576	21.868	ug/l	99
79) 2-Chlorotoluene	12.68	91	282980	21.268	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	339498	21.429	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	27527	19.306	ug/l	88
82) 4-Chlorotoluene	12.78	91	286472	20.482	ug/l	100
83) tert-Butylbenzene	13.00	119	306442	21.690	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	346323	21.966	ug/l	99
85) sec-Butylbenzene	13.18	105	401406	21.727	ug/l	100
86) p-Isopropyltoluene	13.30	119	357596	21.772	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	175415	20.379	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	178120	20.269	ug/l	98
89) n-Butylbenzene	13.62	91	325749	20.919	ug/l	99
90) Hexachloroethane	13.89	117	49532	19.049	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	181772	21.052	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23807	21.077	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	114937	20.834	ug/l	99
94) Hexachlorobutadiene	15.02	225	53546	20.081	ug/l	97
95) Naphthalene	15.14	128	354972	24.828	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	109717	21.041	ug/l	99

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

