

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052019\
 Data File : VN055666.D
 Acq On : 20 May 2019 12:01
 Operator : JC/SP
 Sample : VN0520MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 12:38:17 PM

Quant Time: May 21 04:47:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	335884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	506510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	427114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	175936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	178765	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	7.59	113	164174	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.09	98	598712	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.40	95	191400	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	45255	17.511	ug/l	99
3) Chloromethane	2.06	50	61108	17.728	ug/l	100
4) Vinyl Chloride	2.18	62	69603	18.647	ug/l	98
5) Bromomethane	2.53	94	46618	19.597	ug/l	98
6) Chloroethane	2.68	64	40352	19.470	ug/l	98
7) Trichlorofluoromethane	3.01	101	90553	18.931	ug/l	98
8) Diethyl Ether	3.41	74	37703	19.621	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	55353	18.982	ug/l	98
10) Methyl Iodide	3.96	142	79979	19.025	ug/l	99
11) Tert butyl alcohol	4.77	59	71801	104.571	ug/l	99
12) 1,1-Dichloroethene	3.74	96	58576	19.096	ug/l	94
13) Acrolein	3.61	56	34950	100.607	ug/l	96
14) Allyl chloride	4.32	41	93579	18.897	ug/l	98
15) Acrylonitrile	4.99	53	156181	102.238	ug/l	100
16) Acetone	3.82	43	130681	86.971	ug/l	97
17) Carbon Disulfide	4.06	76	153605	18.013	ug/l	99
18) Methyl Acetate	4.32	43	68316	21.207	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	199592	19.668	ug/l	96
20) Methylene Chloride	4.55	84	64882	18.921	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	62420	19.102	ug/l	95
22) Diisopropyl ether	5.95	45	185324	18.886	ug/l	99
23) Vinyl Acetate	5.89	43	810122	97.297	ug/l	99
24) 1,1-Dichloroethane	5.85	63	110901	19.275	ug/l	99
25) 2-Butanone	6.83	43	210240	100.069	ug/l	100
26) 2,2-Dichloropropane	6.82	77	88895	17.408	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	73638	19.352	ug/l	97
28) Bromochloromethane	7.20	49	48862	19.520	ug/l	93
29) Tetrahydrofuran	7.21	42	138870	99.770	ug/l	97
30) Chloroform	7.37	83	112575	19.061	ug/l	98
31) Cyclohexane	7.65	56	99675	18.253	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	100974	19.061	ug/l	99
36) 1,1-Dichloropropene	7.79	75	81824	18.119	ug/l	98
37) Ethyl Acetate	6.93	43	86943	21.336	ug/l	99
38) Carbon Tetrachloride	7.77	117	89204	18.485	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	100480	18.458	ug/l	99
40) Benzene	8.04	78	260665	19.625	ug/l	98
41) Methacrylonitrile	7.18	41	36397m	20.891	ug/l	
42) 1,2-Dichloroethane	8.12	62	84224	19.582	ug/l	99
43) Isopropyl Acetate	8.16	43	139924	19.740	ug/l	100
44) Trichloroethene	8.84	130	74467	19.869	ug/l	96
45) 1,2-Dichloropropane	9.12	63	67936	19.415	ug/l	99
46) Dibromomethane	9.21	93	46738	20.408	ug/l	98
47) Bromodichloromethane	9.40	83	91369	19.036	ug/l	99
48) Methyl methacrylate	9.20	41	61350	19.364	ug/l	96
49) 1,4-Dioxane	9.20	88	28107	446.452	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	406685	97.809	ug/l	98
52) Toluene	10.16	92	161113	19.339	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	97799	18.931	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	108965	19.253	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	67326	19.630	ug/l	98
56) Ethyl methacrylate	10.43	69	100859	18.838	ug/l	97
57) 1,3-Dichloropropane	10.71	76	107258	19.746	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	209306	92.007	ug/l	98
59) 2-Hexanone	10.75	43	279936	95.626	ug/l	99
60) Dibromochloromethane	10.90	129	77325	19.893	ug/l	100
61) 1,2-Dibromoethane	11.01	107	68785	20.044	ug/l	98
64) Tetrachloroethene	10.63	164	69813	20.723	ug/l	98
65) Chlorobenzene	11.44	112	170689	19.758	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	70671	20.335	ug/l	99
67) Ethyl Benzene	11.51	91	298703	19.410	ug/l	100
68) m/p-Xylenes	11.62	106	224361	38.605	ug/l	99
69) o-Xylene	11.95	106	113452	19.959	ug/l	97
70) Styrene	11.96	104	183614	19.427	ug/l	99
71) Bromoform	12.13	173	61454	20.866	ug/l #	100
73) Isopropylbenzene	12.25	105	297532	22.788	ug/l	99
74) N-amyl acetate	12.07	43	102354	20.718	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	92257	22.823	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	81656m	22.745	ug/l	
77) Bromobenzene	12.53	156	96263	26.642	ug/l	72
78) n-propylbenzene	12.59	91	308325	19.734	ug/l	99
79) 2-Chlorotoluene	12.67	91	189546	21.718	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	244158	22.007	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27641	19.792	ug/l	100
82) 4-Chlorotoluene	12.77	91	176331	19.155	ug/l	97
83) tert-Butylbenzene	12.99	119	217386	22.776	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	241148	21.918	ug/l	100
85) sec-Butylbenzene	13.17	105	271272	21.860	ug/l	100
86) p-Isopropyltoluene	13.29	119	244120	21.289	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	118925	19.907	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	113950	19.976	ug/l	99
89) n-Butylbenzene	13.61	91	181792	18.830	ug/l	99
90) Hexachloroethane	13.87	117	50311	22.874	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	119997	20.149	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17330	21.705	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	58372	19.256	ug/l	99
94) Hexachlorobutadiene	15.01	225	41418	20.944	ug/l	99
95) Naphthalene	15.13	128	189586	21.756	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	63961	20.180	ug/l	99

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

