

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059991.D
 Acq On : 4 Feb 2020 13:49
 Operator : JC/MD
 Sample : VN0204MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:21:10 PM

Quant Time: Feb 05 02:22:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	203720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	295252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140777	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	119904	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
35) Dibromofluoromethane	7.56	113	96992	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
50) Toluene-d8	10.08	98	360267	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
62) 4-Bromofluorobenzene	12.40	95	134050	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	42308	17.272	ug/l	98
3) Chloromethane	2.04	50	43916	18.829	ug/l	100
4) Vinyl Chloride	2.17	62	54406	20.388	ug/l	96
5) Bromomethane	2.55	94	33045	20.291	ug/l	98
6) Chloroethane	2.69	64	26065	20.645	ug/l	96
7) Trichlorofluoromethane	3.00	101	65617	20.474	ug/l	98
8) Diethyl Ether	3.39	74	24077	21.407	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	38258	21.449	ug/l	95
10) Methyl Iodide	3.93	142	48642	16.871	ug/l	96
11) Tert butyl alcohol	4.73	59	41933	110.102	ug/l	98
12) 1,1-Dichloroethene	3.72	96	36446	19.554	ug/l	92
13) Acrolein	3.58	56	15181	56.309	ug/l	97
14) Allyl chloride	4.30	41	53098	21.136	ug/l #	86
15) Acrylonitrile	4.95	53	95776	110.244	ug/l	100
16) Acetone	3.78	43	94898	117.686	ug/l	97
17) Carbon Disulfide	4.03	76	85628	16.128	ug/l	99
18) Methyl Acetate	4.29	43	60422	22.865	ug/l	94
19) Methyl tert-butyl Ether	5.01	73	131594	21.655	ug/l	97
20) Methylene Chloride	4.53	84	42600	20.037	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	38194	19.278	ug/l	89
22) Diisopropyl ether	5.92	45	122328	21.487	ug/l	94
23) Vinyl Acetate	5.86	43	471430	106.952	ug/l	95
24) 1,1-Dichloroethane	5.82	63	72846	20.941	ug/l	97
25) 2-Butanone	6.80	43	131025	102.270	ug/l	95
26) 2,2-Dichloropropane	6.80	77	68006	20.335	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	46410	20.366	ug/l	92
28) Bromochloromethane	7.17	49	27701	19.924	ug/l #	77
29) Tetrahydrofuran	7.18	42	83086	104.817	ug/l	89
30) Chloroform	7.35	83	77191	21.416	ug/l	96
31) Cyclohexane	7.63	56	62719	18.737	ug/l #	86
32) 1,1,1-Trichloroethane	7.55	97	69123	20.742	ug/l	96
36) 1,1-Dichloropropene	7.77	75	54236	19.228	ug/l	97
37) Ethyl Acetate	6.90	43	54390	20.559	ug/l	98
38) Carbon Tetrachloride	7.75	117	60493	19.715	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	62547	17.984	ug/l	93
40) Benzene	8.02	78	162040	19.262	ug/l	99
41) Methacrylonitrile	7.15	41	24864m	19.081	ug/l	
42) 1,2-Dichloroethane	8.10	62	59783	20.960	ug/l	98
43) Isopropyl Acetate	8.14	43	91979	20.213	ug/l	94
44) Trichloroethene	8.82	130	45487	19.807	ug/l	95
45) 1,2-Dichloropropane	9.10	63	42468	20.401	ug/l	99
46) Dibromomethane	9.19	93	29905	20.366	ug/l	93
47) Bromodichloromethane	9.39	83	60333	20.389	ug/l	97
48) Methyl methacrylate	9.18	41	39320	19.318	ug/l	90
49) 1,4-Dioxane	9.18	88	15343	411.773	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	272149	103.460	ug/l	96
52) Toluene	10.14	92	103646	19.506	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	67098	20.308	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	71677	20.618	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	43675	20.753	ug/l	95
56) Ethyl methacrylate	10.42	69	62286	19.370	ug/l	93
57) 1,3-Dichloropropane	10.70	76	68662	20.551	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	101664	104.964	ug/l	93
59) 2-Hexanone	10.74	43	200112	103.264	ug/l	96
60) Dibromochloromethane	10.89	129	48304	20.156	ug/l	99
61) 1,2-Dibromoethane	11.00	107	44712	20.271	ug/l	99
64) Tetrachloroethene	10.62	164	46111	19.162	ug/l	94
65) Chlorobenzene	11.43	112	114881	19.796	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	45850	20.447	ug/l	98
67) Ethyl Benzene	11.51	91	204915	19.451	ug/l	96
68) m/p-Xylenes	11.62	106	153217	38.502	ug/l	96
69) o-Xylene	11.94	106	75395	19.352	ug/l	96
70) Styrene	11.96	104	120697	18.514	ug/l	97
71) Bromoform	12.12	173	35940	20.009	ug/l #	98
73) Isopropylbenzene	12.25	105	203889	19.748	ug/l	100
74) N-amyl acetate	12.07	43	77283	19.291	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	60416	20.185	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	59006m	24.906	ug/l	
77) Bromobenzene	12.52	156	56280	21.526	ug/l	76
78) n-propylbenzene	12.59	91	229588	19.812	ug/l	98
79) 2-Chlorotoluene	12.67	91	135683	19.682	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	167154	19.251	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	21099	19.125	ug/l	99
82) 4-Chlorotoluene	12.77	91	138572	20.040	ug/l	96
83) tert-Butylbenzene	12.99	119	150198	20.001	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	167510	19.500	ug/l	98
85) sec-Butylbenzene	13.17	105	193703	19.632	ug/l	99
86) p-Isopropyltoluene	13.28	119	175949	19.273	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	89421	19.689	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	89951	19.853	ug/l	99
89) n-Butylbenzene	13.61	91	152992	19.654	ug/l	98
90) Hexachloroethane	13.87	117	32539	19.050	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	88560	19.724	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13861	20.337	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	54000	20.016	ug/l	97
94) Hexachlorobutadiene	15.01	225	28214	18.977	ug/l	98
95) Naphthalene	15.13	128	156192	20.354	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	53347	20.315	ug/l	99

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

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