

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054574.D
 Acq On : 22 Mar 2019 23:35
 Operator : JC/SP
 Sample : VN0322MBSD02
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 4:41:31 PM

Quant Time: Mar 23 04:38:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	415121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	699541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	595217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	244024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	297080	57.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.08%	
35) Dibromofluoromethane	7.59	113	233818	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.09	98	845178	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	276282	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	87832	22.133	ug/l	97
3) Chloromethane	2.06	50	120323	22.284	ug/l	100
4) Vinyl Chloride	2.19	62	112840	20.815	ug/l	100
5) Bromomethane	2.57	94	65976	18.822	ug/l	95
6) Chloroethane	2.71	64	63147	19.421	ug/l	100
7) Trichlorofluoromethane	3.02	101	138591	21.052	ug/l	98
8) Diethyl Ether	3.41	74	49035	19.367	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.75	101	74199	19.177	ug/l	93
10) Methyl Iodide	3.94	142	104018	18.276	ug/l #	88
11) Tert butyl alcohol	4.82	59	37593	120.257	ug/l	100
12) 1,1-Dichloroethene	3.73	96	71592	17.880	ug/l #	72
13) Acrolein	3.61	56	43323	100.424	ug/l	96
14) Allyl chloride	4.31	41	167192	22.175	ug/l #	92
15) Acrylonitrile	5.00	53	191447	122.979	ug/l	99
16) Acetone	3.82	43	139300	89.732	ug/l #	84
17) Carbon Disulfide	4.04	76	199483	18.594	ug/l	98
18) Methyl Acetate	4.33	43	85589	24.736	ug/l	90
19) Methyl tert-butyl Ether	5.05	73	265773	22.744	ug/l	92
20) Methylene Chloride	4.54	84	99875	21.825	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	90268	22.078	ug/l #	81
22) Diisopropyl ether	5.96	45	354073	23.808	ug/l #	94
23) Vinyl Acetate	5.90	43	1248374	118.851	ug/l #	93
24) 1,1-Dichloroethane	5.84	63	185884	23.213	ug/l	99
25) 2-Butanone	6.85	43	239499	120.435	ug/l	90
26) 2,2-Dichloropropane	6.82	77	101622	17.803	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	105847	21.705	ug/l	87
28) Bromochloromethane	7.20	49	87147	22.110	ug/l #	72
29) Tetrahydrofuran	7.22	42	167554	129.839	ug/l #	84
30) Chloroform	7.37	83	178448	22.835	ug/l	100
31) Cyclohexane	7.65	56	173691	21.581	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	148085	22.969	ug/l	95
36) 1,1-Dichloropropene	7.79	75	132074	20.192	ug/l	96
37) Ethyl Acetate	6.94	43	107318	23.069	ug/l #	93
38) Carbon Tetrachloride	7.77	117	126908	19.966	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	139853	18.692	ug/l	89
40) Benzene	8.04	78	397772	21.267	ug/l	98
41) Methacrylonitrile	7.18	41	62952	22.189	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	146082	21.447	ug/l	98
43) Isopropyl Acetate	8.17	43	179495	22.846	ug/l #	94
44) Trichloroethene	8.83	130	105503	20.289	ug/l	100
45) 1,2-Dichloropropane	9.12	63	114266	22.752	ug/l	97
46) Dibromomethane	9.21	93	64564	21.549	ug/l	89
47) Bromodichloromethane	9.40	83	133583	21.483	ug/l	95
48) Methyl methacrylate	9.20	41	89168	20.911	ug/l	90
49) 1,4-Dioxane	9.20	88	20291	425.637	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	515546	118.403	ug/l	93
52) Toluene	10.16	92	237381	20.635	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	114688	18.936	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	145150	20.358	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	89254	21.584	ug/l	96
56) Ethyl methacrylate	10.43	69	115358	20.785	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	156567	21.781	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	218252	95.497	ug/l #	89
59) 2-Hexanone	10.75	43	315930	111.083	ug/l	91
60) Dibromochloromethane	10.90	129	90492	20.566	ug/l	99
61) 1,2-Dibromoethane	11.01	107	86380	21.130	ug/l	99
64) Tetrachloroethene	10.63	164	100363	20.328	ug/l	96
65) Chlorobenzene	11.43	112	251657	20.788	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	95431	21.962	ug/l	98
67) Ethyl Benzene	11.51	91	434675	20.327	ug/l	100
68) m/p-Xylenes	11.62	106	325618	40.200	ug/l	96
69) o-Xylene	11.95	106	161927	20.470	ug/l	98
70) Styrene	11.96	104	261029	20.320	ug/l	96
71) Bromoform	12.13	173	53945	19.428	ug/l #	100
73) Isopropylbenzene	12.25	105	419267	21.322	ug/l	98
74) N-amyl acetate	12.07	43	134012	23.702	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	109572	24.410	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	95983m	24.787	ug/l	
77) Bromobenzene	12.53	156	103388	21.199	ug/l	86
78) n-propylbenzene	12.59	91	458263	21.492	ug/l	96
79) 2-Chlorotoluene	12.67	91	283806	21.344	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	343868	21.337	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	19484	19.417	ug/l #	75
82) 4-Chlorotoluene	12.77	91	272616	21.151	ug/l	96
83) tert-Butylbenzene	12.99	119	299650	21.360	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	332115	21.002	ug/l	99
85) sec-Butylbenzene	13.17	105	369908	21.153	ug/l	97
86) p-Isopropyltoluene	13.29	119	323684	20.689	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	171099	21.171	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	161631	20.555	ug/l	98
89) n-Butylbenzene	13.61	91	240300	19.643	ug/l	98
90) Hexachloroethane	13.87	117	52298	21.535	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	170744	21.812	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15557	23.628	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76060	19.491	ug/l	99
94) Hexachlorobutadiene	15.01	225	48220	20.532	ug/l	99
95) Naphthalene	15.13	128	185381	21.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	80484	20.723	ug/l	99

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

