

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060367.D
 Acq On : 5 Mar 2020 15:39
 Operator : JC/MD
 Sample : VN0305MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:18:18 AM

Quant Time: Mar 06 01:26:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	183153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	301913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	277364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	121885	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	7.56	113	84309	60.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.32%	
50) Toluene-d8	10.08	98	341599	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.40	95	127996	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	27555	16.409	ug/l	100
3) Chloromethane	2.04	50	49360	16.883	ug/l	96
4) Vinyl Chloride	2.16	62	41275	16.462	ug/l	98
5) Bromomethane	2.55	94	15189	13.285	ug/l	96
6) Chloroethane	2.69	64	22258	16.384	ug/l	99
7) Trichlorofluoromethane	3.00	101	53476	16.693	ug/l	98
8) Diethyl Ether	3.38	74	22137	18.302	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	31144	17.178	ug/l	99
10) Methyl Iodide	3.93	142	27233	16.459	ug/l	99
11) Tert butyl alcohol	4.72	59	19262	55.204	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	30894	17.507	ug/l	97
13) Acrolein	3.58	56	29661	91.120	ug/l	99
14) Allyl chloride	4.29	41	57397	17.691	ug/l	98
15) Acrylonitrile	4.94	53	89462	97.273	ug/l	100
16) Acetone	3.78	43	66910	88.173	ug/l	98
17) Carbon Disulfide	4.03	76	78003	16.229	ug/l	98
18) Methyl Acetate	4.28	43	46473	18.351	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	123891	19.393	ug/l	98
20) Methylene Chloride	4.52	84	36999	17.754	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	33662	17.529	ug/l	96
22) Diisopropyl ether	5.91	45	126950	19.318	ug/l	97
23) Vinyl Acetate	5.86	43	511588	97.967	ug/l	100
24) 1,1-Dichloroethane	5.82	63	68799	18.494	ug/l	98
25) 2-Butanone	6.80	43	112886	92.098	ug/l	99
26) 2,2-Dichloropropane	6.80	77	59854	17.674	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	42167	17.449	ug/l	100
28) Bromochloromethane	7.17	49	30336	19.862	ug/l	95
29) Tetrahydrofuran	7.18	42	78914	92.585	ug/l	100
30) Chloroform	7.35	83	69612	18.798	ug/l	98
31) Cyclohexane	7.63	56	59448	17.865	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	59622	18.172	ug/l	99
36) 1,1-Dichloropropene	7.77	75	49397	17.167	ug/l	100
37) Ethyl Acetate	6.90	43	53220	19.534	ug/l	99
38) Carbon Tetrachloride	7.75	117	48245	17.221	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	53051	15.637	ug/l	96
40) Benzene	8.02	78	150470	17.967	ug/l	99
41) Methacrylonitrile	7.15	41	25176m	20.013	ug/l	
42) 1,2-Dichloroethane	8.10	62	58518	19.363	ug/l	100
43) Isopropyl Acetate	8.14	43	94383	19.788	ug/l	99
44) Trichloroethene	8.82	130	41726	17.889	ug/l	99
45) 1,2-Dichloropropane	9.10	63	43269	19.761	ug/l	99
46) Dibromomethane	9.19	93	26831	18.885	ug/l	98
47) Bromodichloromethane	9.39	83	55953	19.364	ug/l	97
48) Methyl methacrylate	9.18	41	40460	18.602	ug/l	99
49) 1,4-Dioxane	9.18	88	5164	168.828	ug/l #	92
51) 4-Methyl-2-Pentanone	9.97	43	263881	97.576	ug/l	100
52) Toluene	10.14	92	95184	18.093	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	63734	18.000	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	68477	18.664	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	39463	18.654	ug/l	97
56) Ethyl methacrylate	10.42	69	57677	18.977	ug/l	97
57) 1,3-Dichloropropane	10.70	76	67689	19.619	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	150770	94.848	ug/l	99
59) 2-Hexanone	10.74	43	183977	92.655	ug/l	100
60) Dibromochloromethane	10.89	129	40690	18.913	ug/l	100
61) 1,2-Dibromoethane	11.00	107	38481	18.659	ug/l	99
64) Tetrachloroethene	10.62	164	42683	18.659	ug/l	99
65) Chlorobenzene	11.43	112	98657	17.615	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	38141	18.418	ug/l	99
67) Ethyl Benzene	11.51	91	183281	17.970	ug/l	99
68) m/p-Xylenes	11.62	106	134655	34.992	ug/l	99
69) o-Xylene	11.94	106	66851	18.218	ug/l	97
70) Styrene	11.96	104	105600	17.503	ug/l	99
71) Bromoform	12.12	173	28509	19.102	ug/l #	98
73) Isopropylbenzene	12.25	105	176197	18.046	ug/l	99
74) N-amyl acetate	12.07	43	80110	18.777	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	51427	19.377	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	47652m	16.488	ug/l	
77) Bromobenzene	12.52	156	43655	18.240	ug/l	99
78) n-propylbenzene	12.59	91	201714	17.625	ug/l	100
79) 2-Chlorotoluene	12.67	91	121165	18.010	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	145221	17.666	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	19342	18.474	ug/l #	82
82) 4-Chlorotoluene	12.77	91	125184	17.661	ug/l	98
83) tert-Butylbenzene	12.99	119	122263	17.178	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	146503	17.657	ug/l	99
85) sec-Butylbenzene	13.17	105	158489	16.629	ug/l	100
86) p-Isopropyltoluene	13.28	119	144604	16.392	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	76814	18.559	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	78056	18.874	ug/l	99
89) n-Butylbenzene	13.61	91	128821	15.908	ug/l	99
90) Hexachloroethane	13.87	117	19286	15.104	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	76183	18.166	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11228	18.682	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46221	17.403	ug/l	99
94) Hexachlorobutadiene	15.01	225	19864	15.826	ug/l	99
95) Naphthalene	15.13	128	143009	18.047	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45582	18.047	ug/l	98

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

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