

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055872.D
 Acq On : 29 May 2019 12:53
 Operator : JC/SP
 Sample : VN0529MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 9:35:05 AM

Quant Time: May 30 09:04:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	345132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	493191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	435979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	181301	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	180818	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.59	113	159199	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.09	98	605836	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.40	95	197687	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	42474	18.286	ug/l	98
3) Chloromethane	2.06	50	60640	18.633	ug/l	98
4) Vinyl Chloride	2.18	62	65700	18.927	ug/l	99
5) Bromomethane	2.54	94	46865	21.581	ug/l	97
6) Chloroethane	2.69	64	42141	20.164	ug/l	99
7) Trichlorofluoromethane	3.01	101	88900	19.535	ug/l	99
8) Diethyl Ether	3.40	74	41344	20.270	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55684	19.602	ug/l	99
10) Methyl Iodide	3.94	142	83663	20.144	ug/l	100
11) Tert butyl alcohol	4.82	59	67087	98.511	ug/l	98
12) 1,1-Dichloroethene	3.72	96	56245	19.162	ug/l	97
13) Acrolein	3.60	56	37577	77.060	ug/l	98
14) Allyl chloride	4.31	41	94944	18.868	ug/l	98
15) Acrylonitrile	4.99	53	161040	102.982	ug/l	100
16) Acetone	3.82	43	151249	96.536	ug/l	98
17) Carbon Disulfide	4.04	76	135242	16.217	ug/l	98
18) Methyl Acetate	4.33	43	72061	21.914	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	195539	19.974	ug/l	99
20) Methylene Chloride	4.54	84	67013	19.750	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	60670	19.239	ug/l	98
22) Diisopropyl ether	5.96	45	197475	20.178	ug/l	99
23) Vinyl Acetate	5.90	43	825165	98.338	ug/l	100
24) 1,1-Dichloroethane	5.84	63	111053	19.489	ug/l	99
25) 2-Butanone	6.84	43	223100	101.960	ug/l	100
26) 2,2-Dichloropropane	6.82	77	89188	18.085	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	73729	20.040	ug/l	100
28) Bromochloromethane	7.19	49	57713	21.273	ug/l	99
29) Tetrahydrofuran	7.22	42	144755	104.466	ug/l	100
30) Chloroform	7.37	83	114594	20.165	ug/l	100
31) Cyclohexane	7.65	56	104641	19.560	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	97454	19.218	ug/l	99
36) 1,1-Dichloropropene	7.79	75	82158	19.116	ug/l	99
37) Ethyl Acetate	6.93	43	87152	20.980	ug/l	99
38) Carbon Tetrachloride	7.77	117	83061	18.553	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	102194	19.201	ug/l	99
40) Benzene	8.04	78	263936	20.376	ug/l	99
41) Methacrylonitrile	7.18	41	40350	19.227	ug/l	95
42) 1,2-Dichloroethane	8.12	62	87921	20.772	ug/l	100
43) Isopropyl Acetate	8.17	43	139240	19.950	ug/l #	92
44) Trichloroethene	8.83	130	74886	20.738	ug/l	100
45) 1,2-Dichloropropane	9.12	63	70195	20.799	ug/l	99
46) Dibromomethane	9.21	93	45130	20.391	ug/l	97
47) Bromodichloromethane	9.40	83	86529	19.066	ug/l	96
48) Methyl methacrylate	9.20	41	65490	20.360	ug/l	99
49) 1,4-Dioxane	9.20	88	26958	403.295	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	428084	103.852	ug/l	99
52) Toluene	10.16	92	166315	20.415	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	88340	18.236	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	103450	19.277	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	67683	20.739	ug/l	99
56) Ethyl methacrylate	10.43	69	102011	20.225	ug/l	99
57) 1,3-Dichloropropane	10.71	76	109408	20.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	176719	91.680	ug/l	99
59) 2-Hexanone	10.75	43	300333	102.706	ug/l	100
60) Dibromochloromethane	10.90	129	71346	18.766	ug/l	99
61) 1,2-Dibromoethane	11.01	107	70491	20.823	ug/l	99
64) Tetrachloroethene	10.63	164	75704	20.588	ug/l	99
65) Chlorobenzene	11.43	112	180524	20.684	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	66615	19.137	ug/l	98
67) Ethyl Benzene	11.51	91	320181	20.457	ug/l	99
68) m/p-Xylenes	11.62	106	240181	40.592	ug/l	99
69) o-Xylene	11.95	106	117611	20.034	ug/l	99
70) Styrene	11.96	104	190907	20.081	ug/l	99
71) Bromoform	12.13	173	51683	17.407	ug/l #	100
73) Isopropylbenzene	12.25	105	318834	23.298	ug/l	99
74) N-amyl acetate	12.07	43	110307	21.154	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	94498	22.948	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	77443m	23.114	ug/l	
77) Bromobenzene	12.53	156	81460	21.056	ug/l	97
78) n-propylbenzene	12.59	91	325329	20.646	ug/l	99
79) 2-Chlorotoluene	12.67	91	201241	22.297	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	256800	22.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	23902	17.738	ug/l	93
82) 4-Chlorotoluene	12.77	91	187628	20.256	ug/l	100
83) tert-Butylbenzene	12.99	119	229467	22.809	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	250189	21.763	ug/l	100
85) sec-Butylbenzene	13.17	105	290778	22.527	ug/l	100
86) p-Isopropyltoluene	13.29	119	258753	20.551	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	124253	20.283	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	116998	20.088	ug/l	99
89) n-Butylbenzene	13.61	91	186058	19.287	ug/l	100
90) Hexachloroethane	13.87	117	43224	18.036	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	127430	20.850	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14807	18.432	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56028	18.411	ug/l	99
94) Hexachlorobutadiene	15.01	225	48324	21.423	ug/l	99
95) Naphthalene	15.13	128	157523	18.782	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	63095	19.529	ug/l	99

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

