

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059651.D
 Acq On : 18 Dec 2019 16:04
 Operator : JC/SP
 Sample : VN1218MBS02
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:11:57 AM

Quant Time: Dec 19 05:40:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	241126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	392608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	355575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	180140	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	7.57	113	124108	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.08	98	488227	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.40	95	171607	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	53294	17.104	ug/l	98
3) Chloromethane	2.04	50	80799	16.341	ug/l	99
4) Vinyl Chloride	2.17	62	75221	16.042	ug/l	98
5) Bromomethane	2.54	94	51169	18.772	ug/l	97
6) Chloroethane	2.68	64	51710	19.622	ug/l	99
7) Trichlorofluoromethane	3.00	101	100007	19.439	ug/l	99
8) Diethyl Ether	3.38	74	31182	19.399	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	48593	18.743	ug/l	99
10) Methyl Iodide	3.92	142	60536	17.638	ug/l	99
11) Tert butyl alcohol	4.75	59	56617	88.015	ug/l	99
12) 1,1-Dichloroethene	3.71	96	45322	17.920	ug/l	96
13) Acrolein	3.58	56	31796	69.390	ug/l	99
14) Allyl chloride	4.29	41	93353	17.981	ug/l	100
15) Acrylonitrile	4.95	53	148011	95.124	ug/l	99
16) Acetone	3.79	43	150535	72.262	ug/l	99
17) Carbon Disulfide	4.02	76	140301	16.741	ug/l	99
18) Methyl Acetate	4.29	43	80267	18.388	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	170712	19.117	ug/l	99
20) Methylene Chloride	4.52	84	57455	19.097	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	50867	18.042	ug/l	97
22) Diisopropyl ether	5.91	45	192319	20.093	ug/l	92
23) Vinyl Acetate	5.86	43	800975	106.633	ug/l	99
24) 1,1-Dichloroethane	5.81	63	106028	19.555	ug/l	100
25) 2-Butanone	6.81	43	216356	86.853	ug/l	99
26) 2,2-Dichloropropane	6.80	77	93164	18.906	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	58673	18.780	ug/l	97
28) Bromochloromethane	7.17	49	44300	19.731	ug/l	99
29) Tetrahydrofuran	7.18	42	144385	95.130	ug/l	98
30) Chloroform	7.35	83	103569	19.406	ug/l	97
31) Cyclohexane	7.63	56	94564	18.458	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	87710	18.229	ug/l	99
36) 1,1-Dichloropropene	7.77	75	76353	18.649	ug/l	98
37) Ethyl Acetate	6.90	43	90567	19.032	ug/l	99
38) Carbon Tetrachloride	7.75	117	77331	18.202	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	83639	18.009	ug/l	98
40) Benzene	8.02	78	225937	18.883	ug/l	99
41) Methacrylonitrile	7.15	41	39131m	19.925	ug/l	
42) 1,2-Dichloroethane	8.10	62	90410	19.731	ug/l	99
43) Isopropyl Acetate	8.14	43	139969	18.919	ug/l #	93
44) Trichloroethene	8.82	130	57273	18.274	ug/l	95
45) 1,2-Dichloropropane	9.10	63	62318	19.287	ug/l	98
46) Dibromomethane	9.19	93	40554	19.158	ug/l	99
47) Bromodichloromethane	9.39	83	82273	19.494	ug/l	99
48) Methyl methacrylate	9.18	41	60503	18.025	ug/l	99
49) 1,4-Dioxane	9.18	88	19281	400.824	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	432937	98.146	ug/l	99
52) Toluene	10.14	92	137257	18.670	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	91630	18.773	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	99037	19.303	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	56748	19.671	ug/l	98
56) Ethyl methacrylate	10.42	69	78611	18.355	ug/l	99
57) 1,3-Dichloropropane	10.70	76	98259	19.562	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	157066	115.313	ug/l	99
59) 2-Hexanone	10.74	43	315499	90.750	ug/l	99
60) Dibromochloromethane	10.89	129	59588	18.925	ug/l	98
61) 1,2-Dibromoethane	10.99	107	57719	18.865	ug/l	97
64) Tetrachloroethene	10.62	164	55469	16.734	ug/l	99
65) Chlorobenzene	11.43	112	142879	18.571	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	55175	18.880	ug/l	99
67) Ethyl Benzene	11.50	91	257945	18.574	ug/l	100
68) m/p-Xylenes	11.62	106	189315	36.916	ug/l	98
69) o-Xylene	11.94	106	88857	18.210	ug/l	98
70) Styrene	11.96	104	142107	18.126	ug/l	99
71) Bromoform	12.12	173	40829	18.586	ug/l #	97
73) Isopropylbenzene	12.25	105	238284	18.759	ug/l	100
74) N-amyl acetate	12.06	43	108744	18.663	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	78991	19.604	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	78517m	19.601	ug/l	
77) Bromobenzene	12.52	156	58249	18.647	ug/l	99
78) n-propylbenzene	12.59	91	286091	19.053	ug/l	99
79) 2-Chlorotoluene	12.67	91	170857	18.818	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	201546	18.749	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	29482	18.178	ug/l	96
82) 4-Chlorotoluene	12.77	91	173149	18.625	ug/l	100
83) tert-Butylbenzene	12.99	119	164849	18.109	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	206260	19.297	ug/l	98
85) sec-Butylbenzene	13.17	105	226472	18.702	ug/l	98
86) p-Isopropyltoluene	13.28	119	201001	18.327	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	102483	17.841	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	102826	17.755	ug/l	98
89) n-Butylbenzene	13.61	91	182364	17.736	ug/l	100
90) Hexachloroethane	13.87	117	39705	19.153	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	102464	18.087	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19212	18.131	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	61015	16.679	uq/l	99
94) Hexachlorobutadiene	15.00	225	33057	17.716	uq/l	98
95) Naphthalene	15.12	128	177670	16.269	uq/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	62288	16.835	uq/l	99

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

