

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056458.D
 Acq On : 24 Jun 2019 16:09
 Operator : JC/SP
 Sample : VN0624MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:26 AM

Quant Time: Jun 25 02:16:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	383796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	606015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	526379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	202755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	212035	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	7.59	113	184545	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.09	98	701111	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
62) 4-Bromofluorobenzene	12.40	95	235764	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	60850	18.724	ug/l	99
3) Chloromethane	2.06	50	79429	17.950	ug/l	98
4) Vinyl Chloride	2.18	62	77243	18.074	ug/l	99
5) Bromomethane	2.53	94	50481m	20.148	ug/l	
6) Chloroethane	2.68	64	46466	18.774	ug/l	100
7) Trichlorofluoromethane	3.00	101	104589	18.918	ug/l	98
8) Diethyl Ether	3.41	74	45251	19.340	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66587	18.887	ug/l	99
10) Methyl Iodide	3.95	142	90330	18.957	ug/l	100
11) Tert butyl alcohol	4.79	59	64901	90.590	ug/l	100
12) 1,1-Dichloroethene	3.73	96	65274	19.253	ug/l	93
13) Acrolein	3.61	56	46229	76.562	ug/l	99
14) Allyl chloride	4.32	41	105284	18.655	ug/l	98
15) Acrylonitrile	4.99	53	192106	96.926	ug/l	99
16) Acetone	3.82	43	181384	85.111	ug/l	96
17) Carbon Disulfide	4.05	76	123330	15.993	ug/l	99
18) Methyl Acetate	4.33	43	88588	20.715	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	226223	20.165	ug/l	91
20) Methylene Chloride	4.55	84	78717	19.042	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	69599	19.040	ug/l	95
22) Diisopropyl ether	5.95	45	235700	19.886	ug/l	96
23) Vinyl Acetate	5.90	43	952527	101.890	ug/l	99
24) 1,1-Dichloroethane	5.85	63	134291	19.738	ug/l	100
25) 2-Butanone	6.84	43	265851	94.254	ug/l	98
26) 2,2-Dichloropropane	6.83	77	91875	19.415	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	85268	19.938	ug/l	98
28) Bromochloromethane	7.19	49	62550	18.587	ug/l	95
29) Tetrahydrofuran	7.21	42	169856	98.544	ug/l	99
30) Chloroform	7.37	83	130828	19.487	ug/l	100
31) Cyclohexane	7.65	56	124956	19.024	ug/l #	95
32) 1,1,1-Trichloroethane	7.57	97	104210	19.582	ug/l	99
36) 1,1-Dichloropropene	7.79	75	96364	18.066	ug/l	98
37) Ethyl Acetate	6.93	43	103087	19.666	ug/l	99
38) Carbon Tetrachloride	7.77	117	86357	18.514	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	125139	19.013	ug/l	99
40) Benzene	8.04	78	305007	18.590	ug/l	99
41) Methacrylonitrile	7.17	41	45542	19.675	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	99606	18.395	ug/l	99
43) Isopropyl Acetate	8.17	43	165182	20.436	ug/l #	89
44) Trichloroethene	8.84	130	83501	18.893	ug/l	99
45) 1,2-Dichloropropane	9.12	63	83170	18.954	ug/l	100
46) Dibromomethane	9.21	93	53439	19.466	ug/l	98
47) Bromodichloromethane	9.40	83	94510	19.411	ug/l	98
48) Methyl methacrylate	9.20	41	75600	18.664	ug/l	99
49) 1,4-Dioxane	9.20	88	28371	337.519	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	501191	96.068	ug/l	99
52) Toluene	10.16	92	189691	18.910	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	98179	19.203	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	116117	19.804	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	79837	19.800	ug/l	99
56) Ethyl methacrylate	10.43	69	115903	19.669	ug/l	98
57) 1,3-Dichloropropane	10.71	76	131038	19.345	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	173078	81.759	ug/l	100
59) 2-Hexanone	10.75	43	354290	92.399	ug/l	99
60) Dibromochloromethane	10.90	129	70073	18.484	ug/l	99
61) 1,2-Dibromoethane	11.00	107	81007	19.671	ug/l	99
64) Tetrachloroethene	10.63	164	82302	19.744	ug/l	98
65) Chlorobenzene	11.43	112	201555	19.056	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	71165	19.908	ug/l	99
67) Ethyl Benzene	11.51	91	362986	19.545	ug/l	100
68) m/p-Xylenes	11.62	106	275735	40.513	ug/l	100
69) o-Xylene	11.95	106	133330	19.801	ug/l	100
70) Styrene	11.96	104	212960	19.787	ug/l	99
71) Bromoform	12.13	173	45923	18.066	ug/l #	99
73) Isopropylbenzene	12.25	105	355542	21.832	ug/l	100
74) N-amyl acetate	12.07	43	128431	19.903	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	108835	21.321	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	92881m	22.093	ug/l	
77) Bromobenzene	12.53	156	130471	28.779	ug/l	64
78) n-propylbenzene	12.59	91	376876	20.298	ug/l	100
79) 2-Chlorotoluene	12.67	91	232353	21.373	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	299610	22.225	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	22873	19.337	ug/l	98
82) 4-Chlorotoluene	12.77	91	214425	19.559	ug/l	99
83) tert-Butylbenzene	12.99	119	252842	21.147	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	323939	23.733	ug/l	100
85) sec-Butylbenzene	13.17	105	324949	19.911	ug/l	99
86) p-Isopropyltoluene	13.29	119	277496	19.813	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	133946	19.496	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	127160	19.111	ug/l	98
89) n-Butylbenzene	13.61	91	197129	18.592	ug/l	98
90) Hexachloroethane	13.87	117	42947	19.669	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	135087	19.818	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14153	18.865	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48059	17.633	uq/l	96
94) Hexachlorobutadiene	15.01	225	49798	20.447	uq/l	100
95) Naphthalene	15.13	128	168307	21.483	uq/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57942	18.822	uq/l	97

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

