

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058292.D
 Acq On : 23 Sep 2019 15:07
 Operator : JC/SP
 Sample : VN0923MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:44 AM

Quant Time: Sep 24 04:02:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	441326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	770212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	689161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	322486	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	332156	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
35) Dibromofluoromethane	7.58	113	238866	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.09	98	918878	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.41	95	326186	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	66925	18.460	ug/l	97
3) Chloromethane	2.04	50	58308	20.250	ug/l	99
4) Vinyl Chloride	2.17	62	62207	19.810	ug/l	99
5) Bromomethane	2.55	94	34263	21.597	ug/l	98
6) Chloroethane	2.69	64	43708	21.325	ug/l	99
7) Trichlorofluoromethane	3.00	101	98545	19.914	ug/l	99
8) Diethyl Ether	3.39	74	45512	20.072	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	71527	20.048	ug/l	99
10) Methyl Iodide	3.94	142	55367	18.520	ug/l	99
11) Tert butyl alcohol	4.76	59	89449	122.336	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	54917	20.070	ug/l	98
13) Acrolein	3.58	56	16223	149.717	ug/l	100
14) Allyl chloride	4.30	41	112894	19.337	ug/l	98
15) Acrylonitrile	4.96	53	234025	120.132	ug/l	99
16) Acetone	3.80	43	204487	98.006	ug/l	99
17) Carbon Disulfide	4.03	76	65481	17.359	ug/l	98
18) Methyl Acetate	4.30	43	127454	23.215	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	289373	21.504	ug/l	97
20) Methylene Chloride	4.53	84	81943	22.309	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	59434	19.902	ug/l	98
22) Diisopropyl ether	5.93	45	309800	20.890	ug/l	95
23) Vinyl Acetate	5.88	43	1116628	110.040	ug/l	99
24) 1,1-Dichloroethane	5.83	63	161089	20.352	ug/l	100
25) 2-Butanone	6.82	43	321430	113.077	ug/l	98
26) 2,2-Dichloropropane	6.81	77	112018	16.682	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	90052	20.121	ug/l	98
28) Bromochloromethane	7.18	49	84849	22.661	ug/l	100
29) Tetrahydrofuran	7.20	42	205068	117.118	ug/l	98
30) Chloroform	7.36	83	179388	21.055	ug/l	100
31) Cyclohexane	7.64	56	107067	19.452	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	136309	21.016	ug/l	99
36) 1,1-Dichloropropene	7.78	75	99619	17.935	ug/l	99
37) Ethyl Acetate	6.91	43	129169	22.409	ug/l	100
38) Carbon Tetrachloride	7.76	117	104348	18.689	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	98513	18.389	ug/l	97
40) Benzene	8.03	78	327778	19.321	ug/l	100
41) Methacrylonitrile	7.16	41	63627	22.423	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	139512	19.598	ug/l	99
43) Isopropyl Acetate	8.15	43	213713	19.852	ug/l #	91
44) Trichloroethene	8.83	130	79201	19.078	ug/l	97
45) 1,2-Dichloropropane	9.11	63	103359	20.401	ug/l	99
46) Dibromomethane	9.20	93	63024	20.461	ug/l	96
47) Bromodichloromethane	9.40	83	129062	20.000	ug/l	99
48) Methyl methacrylate	9.19	41	102880	21.048	ug/l	99
49) 1,4-Dioxane	9.19	88	38037	473.981	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	703032	122.950	ug/l	98
52) Toluene	10.15	92	204341	19.219	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	125676	19.012	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	136568	18.713	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	99188	21.022	ug/l	95
56) Ethyl methacrylate	10.43	69	142309	20.904	ug/l	98
57) 1,3-Dichloropropane	10.71	76	165542	20.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	358234	110.475	ug/l	99
59) 2-Hexanone	10.75	43	506270	119.214	ug/l	97
60) Dibromochloromethane	10.90	129	89975	19.822	ug/l	98
61) 1,2-Dibromoethane	11.00	107	88255	20.184	ug/l	100
64) Tetrachloroethene	10.63	164	63671	18.953	ug/l	98
65) Chlorobenzene	11.43	112	236607	19.519	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	91517	20.821	ug/l	97
67) Ethyl Benzene	11.51	91	420646	20.252	ug/l	99
68) m/p-Xylenes	11.63	106	297945	38.086	ug/l	96
69) o-Xylene	11.95	106	152394	19.812	ug/l	99
70) Styrene	11.97	104	265764	20.052	ug/l	99
71) Bromoform	12.13	173	54882	19.226	ug/l #	100
73) Isopropylbenzene	12.25	105	430931	21.348	ug/l	99
74) N-amyl acetate	12.07	43	186603	22.098	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	156301	23.123	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	124883m	21.638	ug/l	
77) Bromobenzene	12.53	156	102488	20.185	ug/l	97
78) n-propylbenzene	12.60	91	499145	21.761	ug/l	99
79) 2-Chlorotoluene	12.68	91	302130	21.076	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	369549	21.650	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	33092	20.872	ug/l	95
82) 4-Chlorotoluene	12.78	91	314842	20.893	ug/l	99
83) tert-Butylbenzene	13.00	119	322232	21.169	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	367225	21.618	ug/l	99
85) sec-Butylbenzene	13.18	105	427984	21.501	ug/l	99
86) p-Isopropyltoluene	13.30	119	377139	21.312	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	191489	20.648	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	193413	20.428	ug/l	100
89) n-Butylbenzene	13.62	91	333488	19.877	ug/l	99
90) Hexachloroethane	13.88	117	58278	20.543	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	195216	20.984	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	27234	22.379	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	111726	18.797	ug/l	99
94) Hexachlorobutadiene	15.02	225	53755	18.711	ug/l	97
95) Naphthalene	15.14	128	319626	20.750	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	106648	18.983	ug/l	100

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

