

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055420.D
 Acq On : 6 May 2019 17:04
 Operator : JC/SP
 Sample : VN0506MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 1:22:47 PM

Quant Time: May 07 02:19:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	374873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	624616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	510827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	197424	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	241939	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	7.59	113	188703	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
50) Toluene-d8	10.09	98	672591	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
62) 4-Bromofluorobenzene	12.40	95	213120	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	86106	18.747	ug/l	100
3) Chloromethane	2.06	50	93763	16.486	ug/l	97
4) Vinyl Chloride	2.19	62	83176	18.143	ug/l	99
5) Bromomethane	2.56	94	47016	19.361	ug/l	96
6) Chloroethane	2.71	64	46687	18.799	ug/l	99
7) Trichlorofluoromethane	3.02	101	125536	19.257	ug/l	99
8) Diethyl Ether	3.41	74	48590	21.305	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	75281	19.393	ug/l	100
10) Methyl Iodide	3.96	142	98698	18.066	ug/l	99
11) Tert butyl alcohol	4.79	59	32602	116.113	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	70352	18.998	ug/l	99
13) Acrolein	3.61	56	14040	64.028	ug/l	97
14) Allyl chloride	4.33	41	152532	19.888	ug/l	99
15) Acrylonitrile	4.99	53	171430	108.622	ug/l	99
16) Acetone	3.82	43	135052	88.380	ug/l	98
17) Carbon Disulfide	4.06	76	153920	15.927	ug/l	99
18) Methyl Acetate	4.33	43	89803	23.577	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	229301	22.026	ug/l	100
20) Methylene Chloride	4.56	84	85825	18.401	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	72645	18.523	ug/l	98
22) Diisopropyl ether	5.96	45	326951	21.455	ug/l	95
23) Vinyl Acetate	5.90	43	1061315	106.266	ug/l	99
24) 1,1-Dichloroethane	5.85	63	164034	20.203	ug/l	99
25) 2-Butanone	6.84	43	205574	105.195	ug/l	99
26) 2,2-Dichloropropane	6.83	77	100146	17.862	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	90052	20.191	ug/l	99
28) Bromochloromethane	7.20	49	81107	19.818	ug/l	98
29) Tetrahydrofuran	7.22	42	146349	116.954	ug/l	97
30) Chloroform	7.37	83	156054	20.275	ug/l	100
31) Cyclohexane	7.65	56	148421	19.240	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	123885	19.832	ug/l	100
36) 1,1-Dichloropropene	7.80	75	109044	18.226	ug/l	98
37) Ethyl Acetate	6.93	43	90870	19.817	ug/l	99
38) Carbon Tetrachloride	7.77	117	103725	17.973	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	120663	18.969	ug/l	98
40) Benzene	8.04	78	332986	18.880	ug/l	98
41) Methacrylonitrile	7.18	41	47429	19.569	ug/l	93
42) 1,2-Dichloroethane	8.13	62	119441	19.121	ug/l	99
43) Isopropyl Acetate	8.17	43	158966	21.572	ug/l #	88
44) Trichloroethene	8.84	130	84237	18.735	ug/l	99
45) 1,2-Dichloropropane	9.12	63	99076	19.477	ug/l	99
46) Dibromomethane	9.21	93	52095	18.736	ug/l	95
47) Bromodichloromethane	9.40	83	115767	19.408	ug/l	96
48) Methyl methacrylate	9.20	41	70940	19.583	ug/l	96
49) 1,4-Dioxane	9.21	88	15991	427.020	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	438158	105.610	ug/l	100
52) Toluene	10.16	92	193096	19.081	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	96097	18.558	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	123030	19.056	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	76096	20.250	ug/l	99
56) Ethyl methacrylate	10.43	69	92424	19.982	ug/l	96
57) 1,3-Dichloropropane	10.71	76	135053	20.487	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	100509	78.950	ug/l	99
59) 2-Hexanone	10.75	43	277139	106.762	ug/l	97
60) Dibromochloromethane	10.90	129	76837	20.006	ug/l	99
61) 1,2-Dibromoethane	11.01	107	67462	19.423	ug/l	98
64) Tetrachloroethene	10.63	164	83344	19.951	ug/l	98
65) Chlorobenzene	11.43	112	192475	19.272	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	75691	19.355	ug/l	99
67) Ethyl Benzene	11.51	91	355809	19.729	ug/l	100
68) m/p-Xylenes	11.62	106	259415	40.297	ug/l	96
69) o-Xylene	11.95	106	130337	20.427	ug/l	96
70) Styrene	11.96	104	202803	20.701	ug/l	99
71) Bromoform	12.13	173	44826	20.657	ug/l #	98
73) Isopropylbenzene	12.25	105	348404	20.301	ug/l	100
74) N-amyl acetate	12.07	43	98477	19.436	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	90217	21.234	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	73036m	18.307	ug/l	
77) Bromobenzene	12.53	156	79766	19.850	ug/l	98
78) n-propylbenzene	12.59	91	373673	18.426	ug/l	99
79) 2-Chlorotoluene	12.67	91	237325	20.616	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	290359	18.760	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18725	17.974	ug/l	89
82) 4-Chlorotoluene	12.77	91	218074	18.495	ug/l	98
83) tert-Butylbenzene	12.99	119	254369	21.564	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	267094	19.296	ug/l	100
85) sec-Butylbenzene	13.17	105	319531	18.994	ug/l	100
86) p-Isopropyltoluene	13.29	119	268583	19.425	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	124018	18.773	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	118678	19.076	ug/l	98
89) n-Butylbenzene	13.61	91	190795	19.419	ug/l	98
90) Hexachloroethane	13.87	117	45849	19.997	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	127151	19.419	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12421	23.915	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	40628	18.008	ug/l	95
94) Hexachlorobutadiene	15.01	225	46333	21.946	ug/l	97
95) Naphthalene	15.13	128	79657	16.878	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	43060	18.666	ug/l	97

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

