

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054511.D
 Acq On : 21 Mar 2019 15:15
 Operator : JC/SP
 Sample : VN0321MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:15:24 PM

Quant Time: Mar 22 10:31:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	534942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	865876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	722669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	311737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	350429	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.59	113	281419	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.09	98	1035607	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	344675	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110520	21.612	ug/l	99
3) Chloromethane	2.06	50	142281	20.449	ug/l	99
4) Vinyl Chloride	2.19	62	134781	19.294	ug/l	99
5) Bromomethane	2.58	94	80323	17.782	ug/l	99
6) Chloroethane	2.71	64	78632	18.766	ug/l	99
7) Trichlorofluoromethane	3.03	101	168841	19.902	ug/l	99
8) Diethyl Ether	3.41	74	61130	18.736	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	90958	18.243	ug/l	95
10) Methyl Iodide	3.95	142	133672	18.226	ug/l	93
11) Tert butyl alcohol	4.82	59	42672	105.929	ug/l	99
12) 1,1-Dichloroethene	3.73	96	96775	18.756	ug/l #	80
13) Acrolein	3.61	56	49202	88.506	ug/l	97
14) Allyl chloride	4.32	41	201376	20.726	ug/l #	91
15) Acrylonitrile	5.00	53	223139	111.231	ug/l	99
16) Acetone	3.82	43	172845	86.402	ug/l #	84
17) Carbon Disulfide	4.04	76	249588	18.053	ug/l	99
18) Methyl Acetate	4.33	43	100143	22.459	ug/l #	90
19) Methyl tert-butyl Ether	5.06	73	327651	21.759	ug/l	97
20) Methylene Chloride	4.54	84	122617	20.793	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	115041	21.835	ug/l	89
22) Diisopropyl ether	5.96	45	427715	22.318	ug/l #	95
23) Vinyl Acetate	5.90	43	1500058	110.824	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	226712	21.971	ug/l	98
25) 2-Butanone	6.85	43	281599	109.888	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	143172	19.464	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	132452	21.077	ug/l	89
28) Bromochloromethane	7.19	49	106635	20.994	ug/l #	76
29) Tetrahydrofuran	7.22	42	184001	110.646	ug/l	87
30) Chloroform	7.37	83	217804	21.628	ug/l	98
31) Cyclohexane	7.65	56	224844	21.688	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	178031	21.429	ug/l	95
36) 1,1-Dichloropropene	7.79	75	161559	19.955	ug/l	96
37) Ethyl Acetate	6.94	43	126338	21.941	ug/l	95
38) Carbon Tetrachloride	7.77	117	151212	19.220	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	188442	20.348	ug/l	91
40) Benzene	8.04	78	476423	20.579	ug/l	98
41) Methacrylonitrile	7.18	41	66767	19.013	ug/l	95
42) 1,2-Dichloroethane	8.13	62	175814	20.853	ug/l	98
43) Isopropyl Acetate	8.17	43	207161	21.303	ug/l #	94
44) Trichloroethene	8.84	130	129985	20.195	ug/l	96
45) 1,2-Dichloropropane	9.12	63	136734	21.995	ug/l	100
46) Dibromomethane	9.21	93	76654	20.669	ug/l	92
47) Bromodichloromethane	9.40	83	159837	20.767	ug/l	97
48) Methyl methacrylate	9.20	41	110041	20.848	ug/l	87
49) 1,4-Dioxane	9.21	88	23024	390.188	ug/l #	78
51) 4-Methyl-2-Pentanone	9.99	43	588308	109.159	ug/l	95
52) Toluene	10.16	92	286363	20.111	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	142681	19.021	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	180369	20.438	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	106499	20.807	ug/l	97
56) Ethyl methacrylate	10.43	69	147003	21.398	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	188800	21.220	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	280725	99.236	ug/l	91
59) 2-Hexanone	10.75	43	367080	104.274	ug/l	92
60) Dibromochloromethane	10.90	129	106051	19.472	ug/l	98
61) 1,2-Dibromoethane	11.01	107	105909	20.930	ug/l	98
64) Tetrachloroethene	10.63	164	124884	20.834	ug/l	96
65) Chlorobenzene	11.43	112	304773	20.735	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	112604	21.344	ug/l	99
67) Ethyl Benzene	11.51	91	548181	21.114	ug/l	97
68) m/p-Xylenes	11.62	106	399883	40.662	ug/l	96
69) o-Xylene	11.95	106	202584	21.093	ug/l	98
70) Styrene	11.96	104	324743	20.821	ug/l	97
71) Bromoform	12.13	173	62354	18.603	ug/l #	98
73) Isopropylbenzene	12.25	105	539857	21.491	ug/l	98
74) N-amyl acetate	12.07	43	163167	22.590	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	126774	22.108	ug/l #	96
76) 1,2,3-Trichloropropane	12.55	75	113250m	22.894	ug/l	
77) Bromobenzene	12.53	156	171869	27.586	ug/l	80
78) n-propylbenzene	12.59	91	568469	20.869	ug/l	99
79) 2-Chlorotoluene	12.67	91	339748	20.001	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	443442	21.539	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	23446	18.475	ug/l #	69
82) 4-Chlorotoluene	12.77	91	342576	20.806	ug/l	96
83) tert-Butylbenzene	12.99	119	378001	21.093	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	424998	21.038	ug/l	97
85) sec-Butylbenzene	13.17	105	474950	21.260	ug/l	98
86) p-Isopropyltoluene	13.29	119	429636	21.496	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	204526	19.810	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	201790	20.088	ug/l	98
89) n-Butylbenzene	13.62	91	340475	21.786	ug/l	99
90) Hexachloroethane	13.87	117	59176	19.074	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	207456	20.745	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18006	21.408	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	108809	21.827	ug/l	99
94) Hexachlorobutadiene	15.01	225	63131	21.107	ug/l	98
95) Naphthalene	15.13	128	255363	22.965	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	108890	21.947	ug/l	98

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

