

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055991.D
 Acq On : 4 Jun 2019 15:14
 Operator : JC/SP
 Sample : VN0604MBSD01
 Misc : 5.00µl/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 4:04:04 PM

Quant Time: Jun 05 01:39:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	331009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	493334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	445150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	168816	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.59	113	149991	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.09	98	590417	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	202532	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	74104	20.588	ug/l	99
3) Chloromethane	2.06	50	78704	21.934	ug/l	100
4) Vinyl Chloride	2.18	62	77864	21.633	ug/l	99
5) Bromomethane	2.53	94	50979	22.422	ug/l	100
6) Chloroethane	2.68	64	45657	21.879	ug/l	100
7) Trichlorofluoromethane	3.00	101	95003	20.676	ug/l	98
8) Diethyl Ether	3.40	74	39610	20.963	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58515	20.964	ug/l	99
10) Methyl Iodide	3.94	142	89370	20.149	ug/l	98
11) Tert butyl alcohol	4.81	59	56433	98.668	ug/l	98
12) 1,1-Dichloroethene	3.72	96	58622	21.096	ug/l	95
13) Acrolein	3.60	56	17201	104.278	ug/l	95
14) Allyl chloride	4.31	41	88906	20.262	ug/l	99
15) Acrylonitrile	4.99	53	157628	113.216	ug/l	99
16) Acetone	3.82	43	136685	86.955	ug/l	99
17) Carbon Disulfide	4.04	76	128606	19.329	ug/l	100
18) Methyl Acetate	4.32	43	69956	22.337	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	188891	21.326	ug/l	100
20) Methylene Chloride	4.54	84	68013	21.001	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	63225	21.235	ug/l	96
22) Diisopropyl ether	5.95	45	190895	21.046	ug/l	98
23) Vinyl Acetate	5.90	43	771694	108.037	ug/l	99
24) 1,1-Dichloroethane	5.84	63	109763	20.979	ug/l	99
25) 2-Butanone	6.84	43	208030	104.746	ug/l	98
26) 2,2-Dichloropropane	6.82	77	75890	18.588	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	73744	21.071	ug/l	96
28) Bromochloromethane	7.19	49	50705	20.493	ug/l	98
29) Tetrahydrofuran	7.22	42	137780	112.230	ug/l	98
30) Chloroform	7.37	83	110786	21.049	ug/l	98
31) Cyclohexane	7.65	56	108080	20.724	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	91142	20.737	ug/l	99
36) 1,1-Dichloropropene	7.79	75	84314	19.876	ug/l	99
37) Ethyl Acetate	6.93	43	83692	22.174	ug/l	100
38) Carbon Tetrachloride	7.77	117	73835	18.879	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	105453	19.956	ug/l	100
40) Benzene	8.04	78	267128	20.734	ug/l	100
41) Methacrylonitrile	7.17	41	36215	20.855	ug/l	87
42) 1,2-Dichloroethane	8.12	62	82794	19.978	ug/l	99
43) Isopropyl Acetate	8.17	43	129606	21.191	ug/l #	92
44) Trichloroethene	8.83	130	75873	20.494	ug/l	99
45) 1,2-Dichloropropane	9.12	63	68358	20.714	ug/l	97
46) Dibromomethane	9.21	93	43336	20.081	ug/l	97
47) Bromodichloromethane	9.40	83	76692	19.608	ug/l	98
48) Methyl methacrylate	9.20	41	63392	21.186	ug/l	95
49) 1,4-Dioxane	9.20	88	27296	422.549	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	412027	107.726	ug/l	98
52) Toluene	10.15	92	168037	20.960	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	80490	19.109	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	95726	20.361	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	65832	20.730	ug/l	99
56) Ethyl methacrylate	10.43	69	100375	21.665	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107946	20.909	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	183687	108.922	ug/l	100
59) 2-Hexanone	10.75	43	297629	107.366	ug/l	99
60) Dibromochloromethane	10.90	129	58090	18.224	ug/l	99
61) 1,2-Dibromoethane	11.00	107	69871	21.522	ug/l	97
64) Tetrachloroethene	10.63	164	76471	19.846	ug/l	98
65) Chlorobenzene	11.43	112	179360	20.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	59176	19.345	ug/l	89
67) Ethyl Benzene	11.51	91	320917	20.832	ug/l	100
68) m/p-Xylenes	11.62	106	249380	42.376	ug/l	94
69) o-Xylene	11.95	106	121359	20.965	ug/l	98
70) Styrene	11.96	104	200928	21.846	ug/l	99
71) Bromoform	12.13	173	41879	18.154	ug/l #	94
73) Isopropylbenzene	12.25	105	335530	22.325	ug/l	97
74) N-amyl acetate	12.07	43	115703	21.821	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	90420	19.581	ug/l #	94
76) 1,2,3-Trichloropropane	12.55	75	76335m	20.856	ug/l	
77) Bromobenzene	12.53	156	200296	47.032	ug/l #	31
78) n-propylbenzene	12.59	91	344712	20.484	ug/l	100
79) 2-Chlorotoluene	12.67	91	205223	20.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	314174	23.491	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.30	75	18875	17.173	ug/l #	85
82) 4-Chlorotoluene	12.77	91	200186	20.333	ug/l	99
83) tert-Butylbenzene	12.99	119	228358	20.391	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	254297	20.050	ug/l	98
85) sec-Butylbenzene	13.17	105	306192	20.546	ug/l	100
86) p-Isopropyltoluene	13.29	119	283576	21.261	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	132909	20.164	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	131871	20.798	ug/l	96
89) n-Butylbenzene	13.61	91	212934	21.551	ug/l	97
90) Hexachloroethane	13.87	117	46157	22.947	ug/l	76
91) 1,2-Dichlorobenzene	13.65	146	133760	20.100	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13327	20.178	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	71966	22.218	ug/l	98
94) Hexachlorobutadiene	15.01	225	46459	19.065	ug/l	99
95) Naphthalene	15.13	128	215453	24.752	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	78163	22.678	ug/l	98

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

