

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083119\
 Data File : VN057594.D
 Acq On : 30 Aug 2019 17:56
 Operator : JC/SP
 Sample : VN0831WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 11:28:49 AM

Quant Time: Aug 31 01:07:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 11:59:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	414365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	653277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	593153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	271795	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	349718	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
35) Dibromofluoromethane	7.58	113	275956	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
50) Toluene-d8	10.08	98	1076747	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.40	95	334353	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	99360	21.340	ug/l	91
3) Chloromethane	2.06	50	90708	19.512	ug/l	95
4) Vinyl Chloride	2.18	62	146297	21.332	ug/l	99
5) Bromomethane	2.55	94	133149	22.546	ug/l	97
6) Chloroethane	2.70	64	101173	22.003	ug/l	99
7) Trichlorofluoromethane	3.01	101	318306	22.345	ug/l	99
8) Diethyl Ether	3.40	74	103347	21.835	ug/l	62
9) 1,1,2-Trichlorotrifluoroet	3.74	101	185813	22.272	ug/l #	82
10) Methyl Iodide	3.93	142	302747	22.169	ug/l	93
11) Tert butyl alcohol	4.79	59	64696	96.731	ug/l	99
12) 1,1-Dichloroethene	3.72	96	177317	22.585	ug/l #	71
13) Acrolein	3.59	56	54495	95.157	ug/l	97
14) Allyl chloride	4.30	41	116444	20.263	ug/l #	86
15) Acrylonitrile	4.98	53	171495	103.560	ug/l	99
16) Acetone	3.81	43	271232	98.936	ug/l	91
17) Carbon Disulfide	4.03	76	181361	16.898	ug/l	99
18) Methyl Acetate	4.31	43	86753	21.553	ug/l #	89
19) Methyl tert-butyl Ether	5.03	73	292174	19.536	ug/l	94
20) Methylene Chloride	4.53	84	94267	18.562	ug/l	83
21) trans-1,2-Dichloroethene	5.01	96	94056	19.151	ug/l #	81
22) Diisopropyl ether	5.94	45	271418	21.068	ug/l #	90
23) Vinyl Acetate	5.88	43	1090549	108.332	ug/l #	92
24) 1,1-Dichloroethane	5.83	63	171753	20.247	ug/l	96
25) 2-Butanone	6.83	43	231641	107.047	ug/l #	87
26) 2,2-Dichloropropane	6.81	77	157720	18.210	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	119990	20.174	ug/l	82
28) Bromochloromethane	7.18	49	87393	24.509	ug/l #	62
29) Tetrahydrofuran	7.20	42	144917	107.088	ug/l #	75
30) Chloroform	7.36	83	203121	19.295	ug/l	99
31) Cyclohexane	7.64	56	158188	20.080	ug/l #	82
32) 1,1,1-Trichloroethane	7.55	97	186130	19.890	ug/l	95
36) 1,1-Dichloropropene	7.78	75	143141	20.255	ug/l	95
37) Ethyl Acetate	6.92	43	92579	19.772	ug/l #	93
38) Carbon Tetrachloride	7.76	117	151298	18.308	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	177506	19.742	ug/l #	85
40) Benzene	8.03	78	428487	19.799	ug/l	99
41) Methacrylonitrile	7.16	41	35984	17.638	ug/l #	71
42) 1,2-Dichloroethane	8.11	62	163173	21.183	ug/l	99
43) Isopropyl Acetate	8.16	43	180136	20.612	ug/l #	91
44) Trichloroethene	8.83	130	118538	19.835	ug/l	85
45) 1,2-Dichloropropane	9.11	63	104373	20.639	ug/l	99
46) Dibromomethane	9.20	93	80719	20.355	ug/l #	89
47) Bromodichloromethane	9.40	83	156185	19.104	ug/l	98
48) Methyl methacrylate	9.19	41	87859	21.286	ug/l #	84
49) 1,4-Dioxane	9.20	88	32576	432.468	ug/l #	79
51) 4-Methyl-2-Pentanone	9.98	43	516508	110.580	ug/l	92
52) Toluene	10.15	92	278755	19.881	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	147846	18.712	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	166302	19.433	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	108705	20.159	ug/l	96
56) Ethyl methacrylate	10.43	69	145570	20.281	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	177277	20.579	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	178281	105.869	ug/l #	85
59) 2-Hexanone	10.75	43	348098	107.942	ug/l	90
60) Dibromochloromethane	10.90	129	112023	18.212	ug/l	98
61) 1,2-Dibromoethane	11.00	107	113068	20.037	ug/l	95
64) Tetrachloroethene	10.63	164	118813	19.503	ug/l	93
65) Chlorobenzene	11.43	112	302222	20.299	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	113226	19.284	ug/l	96
67) Ethyl Benzene	11.51	91	541983	20.730	ug/l	97
68) m/p-Xylenes	11.62	106	406355	40.808	ug/l	94
69) o-Xylene	11.95	106	197884	19.789	ug/l	94
70) Styrene	11.96	104	309589	20.511	ug/l	97
71) Bromoform	12.13	173	67072	17.112	ug/l #	98
73) Isopropylbenzene	12.25	105	537028	18.569	ug/l	99
74) N-amyl acetate	12.07	43	146429	23.307	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.51	83	132429	21.426	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	120905m	22.365	ug/l	
77) Bromobenzene	12.53	156	118765	17.713	ug/l	76
78) n-propylbenzene	12.59	91	556469	19.367	ug/l	97
79) 2-Chlorotoluene	12.67	91	335984	18.773	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	446936	19.637	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	30570	16.912	ug/l	93
82) 4-Chlorotoluene	12.78	91	327120	19.700	ug/l	95
83) tert-Butylbenzene	12.99	119	397800	20.948	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	435794	20.935	ug/l	99
85) sec-Butylbenzene	13.17	105	499377	19.962	ug/l	98
86) p-Isopropyltoluene	13.29	119	436558	20.303	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	189988	19.511	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	184459	19.754	ug/l	94
89) n-Butylbenzene	13.62	91	322500	19.799	ug/l	98
90) Hexachloroethane	13.88	117	69376	15.332	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	190908	21.006	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	19094	18.728	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52996	16.780	ug/l	97
94) Hexachlorobutadiene	15.01	225	60217	20.104	ug/l	98
95) Naphthalene	15.13	128	156108	17.359	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	51821	16.871	ug/l	96

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

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