

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101019\
 Data File : VN058654.D
 Acq On : 9 Oct 2019 20:38
 Operator : JC/SP
 Sample : VN1010WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 3:20:10 PM

Quant Time: Oct 10 05:21:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	433404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	718414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	653096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	300548	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	268538	42.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.80%	
35) Dibromofluoromethane	7.57	113	199469	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
50) Toluene-d8	10.09	98	735241	42.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.26%	
62) 4-Bromofluorobenzene	12.40	95	271219	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	79419	16.712	ug/l	98
3) Chloromethane	2.04	50	108536	20.774	ug/l	98
4) Vinyl Chloride	2.17	62	100958	19.726	ug/l	98
5) Bromomethane	2.55	94	52807	19.425	ug/l	96
6) Chloroethane	2.68	64	64258	20.954	ug/l	91
7) Trichlorofluoromethane	3.00	101	130936	21.200	ug/l	98
8) Diethyl Ether	3.39	74	50186	18.833	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	77136	18.390	ug/l	99
10) Methyl Iodide	3.93	142	60927	13.100	ug/l	99
11) Tert butyl alcohol	4.75	59	87728	124.684	ug/l	100
12) 1,1-Dichloroethene	3.72	96	71904	17.587	ug/l	97
13) Acrolein	3.59	56	20945	93.593	ug/l	99
14) Allyl chloride	4.30	41	143576	19.297	ug/l	94
15) Acrylonitrile	4.96	53	210145	102.480	ug/l	99
16) Acetone	3.79	43	197511	91.481	ug/l	96
17) Carbon Disulfide	4.03	76	187544	17.402	ug/l	99
18) Methyl Acetate	4.30	43	109464	20.158	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	275101	19.070	ug/l	96
20) Methylene Chloride	4.53	84	94789	19.025	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	78229	17.206	ug/l	98
22) Diisopropyl ether	5.92	45	299229	18.689	ug/l	91
23) Vinyl Acetate	5.87	43	1212463	100.430	ug/l	99
24) 1,1-Dichloroethane	5.82	63	171207	19.000	ug/l	99
25) 2-Butanone	6.81	43	288367	97.281	ug/l	99
26) 2,2-Dichloropropane	6.80	77	142848	19.283	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	96728	18.203	ug/l	99
28) Bromochloromethane	7.18	49	70108	19.464	ug/l	97
29) Tetrahydrofuran	7.19	42	191124	101.586	ug/l	99
30) Chloroform	7.35	83	171394	18.770	ug/l	97
31) Cyclohexane	7.63	56	146092	16.667	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	146817	19.580	ug/l	98
36) 1,1-Dichloropropene	7.77	75	123808	18.023	ug/l	99
37) Ethyl Acetate	6.91	43	123519	21.208	ug/l	99
38) Carbon Tetrachloride	7.76	117	127508	20.564	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	132598	16.529	ug/l	97
40) Benzene	8.02	78	366025	18.537	ug/l	97
41) Methacrylonitrile	7.16	41	58114	21.689	ug/l	93
42) 1,2-Dichloroethane	8.11	62	144123	18.761	ug/l	100
43) Isopropyl Acetate	8.15	43	206800	18.882	ug/l #	90
44) Trichloroethene	8.82	130	91185	18.702	ug/l	99
45) 1,2-Dichloropropane	9.11	63	100262	18.933	ug/l	99
46) Dibromomethane	9.20	93	63561	18.952	ug/l	99
47) Bromodichloromethane	9.39	83	130178	20.487	ug/l	99
48) Methyl methacrylate	9.19	41	91206	18.289	ug/l	99
49) 1,4-Dioxane	9.19	88	35000	524.876	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	603682	107.308	ug/l	100
52) Toluene	10.15	92	220769	17.763	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	144108	20.836	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	154538	20.130	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	88058	19.458	ug/l	99
56) Ethyl methacrylate	10.43	69	131551	19.157	ug/l	97
57) 1,3-Dichloropropane	10.71	76	158065	19.581	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	304447	111.185	ug/l	100
59) 2-Hexanone	10.75	43	426920	104.220	ug/l	99
60) Dibromochloromethane	10.90	129	95551	20.058	ug/l	99
61) 1,2-Dibromoethane	11.00	107	90732	19.621	ug/l	99
64) Tetrachloroethene	10.63	164	80510	19.403	ug/l	99
65) Chlorobenzene	11.43	112	235275	18.123	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	91920	21.015	ug/l	99
67) Ethyl Benzene	11.51	91	427558	18.183	ug/l	99
68) m/p-Xylenes	11.62	106	308927	34.919	ug/l	97
69) o-Xylene	11.95	106	153298	18.000	ug/l	99
70) Styrene	11.97	104	239932	17.342	ug/l	98
71) Bromoform	12.13	173	61801	20.856	ug/l #	98
73) Isopropylbenzene	12.25	105	410231	18.470	ug/l	99
74) N-amyl acetate	12.07	43	168988	19.124	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	132295	20.143	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	116084m	21.146	ug/l	
77) Bromobenzene	12.53	156	100335	19.265	ug/l	100
78) n-propylbenzene	12.60	91	475642	19.008	ug/l	99
79) 2-Chlorotoluene	12.68	91	282868	18.314	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	346352	18.628	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	37150	20.554	ug/l	99
82) 4-Chlorotoluene	12.78	91	290299	18.419	ug/l	100
83) tert-Butylbenzene	13.00	119	296920	18.925	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	353184	18.959	ug/l	99
85) sec-Butylbenzene	13.18	105	392535	19.009	ug/l	99
86) p-Isopropyltoluene	13.29	119	346854	19.082	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	172926	18.311	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	173415	18.457	ug/l	99
89) n-Butylbenzene	13.62	91	302040	18.344	ug/l	100
90) Hexachloroethane	13.88	117	62252	22.794	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	173176	19.085	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25805	22.280	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	97068	19.359	ug/l	100
94) Hexachlorobutadiene	15.02	225	50351	19.537	ug/l	99
95) Naphthalene	15.13	128	274451	18.672	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	94892	18.861	ug/l	99

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

