

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090219\
 Data File : VN057650.D
 Acq On : 1 Sep 2019 17:44
 Operator : JC/SP
 Sample : VN0902WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:03:04 AM

Quant Time: Sep 02 03:09:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	179877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	307674	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	281161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	116049	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	211924	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
35) Dibromofluoromethane	7.58	113	135689	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
50) Toluene-d8	10.08	98	530485	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.40	95	186260	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	61093	21.239	ug/l	97
3) Chloromethane	2.05	50	71400	21.532	ug/l	96
4) Vinyl Chloride	2.18	62	57144	22.001	ug/l	98
5) Bromomethane	2.51	94	36069	21.948	ug/l	95
6) Chloroethane	2.66	64	32715	22.550	ug/l	100
7) Trichlorofluoromethane	3.00	101	78131	21.430	ug/l	97
8) Diethyl Ether	3.40	74	25869	21.443	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	38847	21.017	ug/l	97
10) Methyl Iodide	3.92	142	52645	22.060	ug/l	98
11) Tert butyl alcohol	4.81	59	44301	103.948	ug/l #	81
12) 1,1-Dichloroethene	3.71	96	35081	20.938	ug/l	90
13) Acrolein	3.59	56	15088	89.039	ug/l	92
14) Allyl chloride	4.30	41	103561	19.813	ug/l	98
15) Acrylonitrile	4.98	53	137032	107.153	ug/l	99
16) Acetone	3.81	43	104160	91.466	ug/l	94
17) Carbon Disulfide	4.02	76	103082	19.030	ug/l	98
18) Methyl Acetate	4.31	43	80804	20.665	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	182008	20.997	ug/l	95
20) Methylene Chloride	4.53	84	61668	21.874	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	52744	21.175	ug/l	98
22) Diisopropyl ether	5.94	45	225986	21.032	ug/l	94
23) Vinyl Acetate	5.88	43	870214	105.378	ug/l	98
24) 1,1-Dichloroethane	5.83	63	114996	21.320	ug/l	99
25) 2-Butanone	6.83	43	188883	99.540	ug/l	99
26) 2,2-Dichloropropane	6.81	77	75123	17.425	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	62301	20.945	ug/l	99
28) Bromochloromethane	7.18	49	54864	19.101	ug/l	97
29) Tetrahydrofuran	7.21	42	125924	105.775	ug/l	100
30) Chloroform	7.36	83	117557	21.484	ug/l	90
31) Cyclohexane	7.64	56	109367	20.316	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	93557	20.843	ug/l	99
36) 1,1-Dichloropropene	7.78	75	85330	20.919	ug/l	100
37) Ethyl Acetate	6.92	43	81492	20.973	ug/l	98
38) Carbon Tetrachloride	7.75	117	73294	20.073	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090219\
 Data File : VN057650.D
 Acq On : 1 Sep 2019 17:44
 Operator : JC/SP
 Sample : VN0902WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0902WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:03:04 AM

Quant Time: Sep 02 03:09:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	97804	20.294	ug/l	98
40) Benzene	8.03	78	249661	21.026	ug/l	98
41) Methacrylonitrile	7.16	41	38770	19.270	ug/l	94
42) 1,2-Dichloroethane	8.11	62	101177	20.979	ug/l	99
43) Isopropyl Acetate	8.16	43	141596	20.255	ug/l	100
44) Trichloroethene	8.83	130	54832	20.356	ug/l	98
45) 1,2-Dichloropropane	9.11	63	67650	20.454	ug/l	98
46) Dibromomethane	9.20	93	42785	20.893	ug/l	97
47) Bromodichloromethane	9.40	83	80081	19.248	ug/l	96
48) Methyl methacrylate	9.19	41	73079	20.475	ug/l	97
49) 1,4-Dioxane	9.20	88	17219	411.993	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	425463	106.187	ug/l	100
52) Toluene	10.15	92	147048	20.953	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	79209	19.164	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	91917	19.164	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	54962	20.642	ug/l	98
56) Ethyl methacrylate	10.43	69	90125	20.283	ug/l	96
57) 1,3-Dichloropropane	10.71	76	101193	20.714	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	113541	87.340	ug/l	98
59) 2-Hexanone	10.75	43	290037	98.573	ug/l	100
60) Dibromochloromethane	10.90	129	48358	18.937	ug/l	98
61) 1,2-Dibromoethane	11.00	107	54663	20.388	ug/l	98
64) Tetrachloroethene	10.63	164	52184	21.435	ug/l	98
65) Chlorobenzene	11.43	112	150510	21.363	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	48522	19.747	ug/l	98
67) Ethyl Benzene	11.51	91	289049	21.115	ug/l	100
68) m/p-Xylenes	11.62	106	195973	40.637	ug/l	100
69) o-Xylene	11.95	106	96819	20.716	ug/l	98
70) Styrene	11.96	104	153545	19.894	ug/l	99
71) Bromoform	12.13	173	28009	19.649	ug/l #	97
73) Isopropylbenzene	12.25	105	268538	22.919	ug/l	98
74) N-amyl acetate	12.07	43	120526	21.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	76208	22.068	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	73508m	24.080	ug/l	
77) Bromobenzene	12.53	156	56432	22.629	ug/l	99
78) n-propylbenzene	12.59	91	276491	21.202	ug/l	99
79) 2-Chlorotoluene	12.68	91	181309	22.296	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	216157	22.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	16317	18.323	ug/l	98
82) 4-Chlorotoluene	12.77	91	165931	20.615	ug/l	99
83) tert-Butylbenzene	12.99	119	184440	22.551	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	200341	21.483	ug/l	100
85) sec-Butylbenzene	13.17	105	226393	20.579	ug/l	99
86) p-Isopropyltoluene	13.29	119	189335	20.811	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	79909	19.669	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	77874	19.844	ug/l	99
89) n-Butylbenzene	13.62	91	177101	20.772	ug/l	98
90) Hexachloroethane	13.88	117	28851	18.266	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	78114	20.149	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10263	19.301	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090219\
Data File : VN057650.D
Acq On : 1 Sep 2019 17:44
Operator : JC/SP
Sample : VN0902WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBSD01

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:03:04 AM

Quant Time: Sep 02 03:09:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 15:54:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	21488	18.947	ug/l	97
94) Hexachlorobutadiene	15.01	225	26257	19.737	ug/l	97
95) Naphthalene	15.13	128	69878	19.016	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	22386	18.997	ug/l	98

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

