

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057584.D
 Acq On : 30 Aug 2019 13:02
 Operator : JC/SP
 Sample : VN0830WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 10:00:49 AM

Quant Time: Aug 31 00:21:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Aug 31 00:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	82423	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	504053	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	438387	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	206060	32.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	108.17%
60) 4-Bromofluorobenzene	12.40	95	191874	28.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.97%
63) Toluene-d8	10.08	98	616713	30.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.27%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	90864	20.728 ug/l	97
3) Chloromethane	2.06	50	82163	21.183 ug/l	100
4) Vinyl Chloride	2.18	62	136317	22.653 ug/l	99
5) Bromomethane	2.55	94	120380	21.776 ug/l	99
6) Chloroethane	2.70	64	92226	22.641 ug/l	95
7) Trichlorofluoromethane	3.01	101	306700	23.066 ug/l	99
8) Diethyl Ether	3.40	74	93107	21.764 ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	182076	22.878 ug/l	95
10) 1,1-Dichloroethene	3.72	96	167042	22.847 ug/l	99
11) Methyl Iodide	3.93	142	278388	22.027 ug/l	99
12) Methyl Acetate	4.31	43	82548	20.941 ug/l	98
13) Acrolein	3.59	56	52564	104.641 ug/l	95
14) Acrylonitrile	4.98	53	167079	107.878 ug/l	98
15) Acetone	3.81	58	87420	104.581 ug/l	97
16) Carbon Disulfide	4.03	76	159451	20.904 ug/l	99
17) Allyl chloride	4.30	41	110724	21.226 ug/l	97
18) Methylene Chloride	4.53	84	90989	21.662 ug/l	96
19) trans-1,2-Dichloroethene	5.02	96	85331	20.438 ug/l	95
20) Diisopropyl ether	5.94	45	270870	21.745 ug/l	98
21) 1,1-Dichloroethane	5.83	63	170384	21.664 ug/l	97
22) cis-1,2-Dichloroethene	6.81	96	114657	20.607 ug/l	97
23) tert-Butyl Alcohol	4.80	59	62127	108.165 ug/l #	100
24) Methyl tert-Butyl Ether	5.03	73	284281	21.130 ug/l	97
25) Chloroform	7.36	83	197348	20.651 ug/l	98
26) Cyclohexane	7.64	56	137041	20.896 ug/l #	95
29) 1,1-Dichloropropene	7.78	75	134062	19.652 ug/l	99
30) 2-Butanone	6.82	43	226076	102.183 ug/l #	96
31) 2,2-Dichloropropane	6.81	77	153591	18.821 ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	179337	19.609 ug/l	99
33) Carbon Tetrachloride	7.76	117	147914	19.061 ug/l	94
34) Benzene	8.03	78	402549	19.683 ug/l	94
35) Methacrylonitrile	7.16	41	43169	19.714 ug/l	99
36) 1,2-Dichloroethane	8.12	62	156565	20.749 ug/l	98
37) Trichloroethene	8.83	130	112461	18.986 ug/l	99
38) Methylcyclohexane	9.07	83	162478	19.555 ug/l	98
39) 1,2-Dichloropropane	9.11	63	100387	20.060 ug/l	100
40) Dibromomethane	9.20	93	76782	19.929 ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057584.D
 Acq On : 30 Aug 2019 13:02
 Operator : JC/SP
 Sample : VN0830WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0830WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 10:00:49 AM

Quant Time: Aug 31 00:21:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Aug 31 00:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	153072	19.392	ug/l	98
42) Vinyl Acetate	5.88	43	1063065	108.150	ug/l	100
43) Ethyl Acetate	6.92	43	90239	21.148	ug/l	99
44) Isopropyl Acetate	8.16	43	175152	20.520	ug/l	100
45) 1,4-Dioxane	9.19	88	30441	414.190	ug/l #	95
46) Methyl methacrylate	9.19	41	82323	20.794	ug/l	96
47) n-amyl Acetate	12.07	43	140049	19.819	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	144175	18.401	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	158990	18.736	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	104995	19.094	ug/l	97
51) Ethyl methacrylate	10.43	69	141933	19.831	ug/l	94
52) 1,3-Dichloropropane	10.71	76	168526	19.669	ug/l	97
53) Dibromochloromethane	10.90	129	111837	18.064	ug/l	99
54) 1,2-Dibromoethane	11.00	107	105948	18.589	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	162718	92.627	ug/l	98
56) Bromoform	12.13	173	67715	16.725	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	499631	112.786	ug/l	99
59) 2-Hexanone	10.75	43	335162	107.006	ug/l	98
61) Tetrachloroethene	10.63	164	111894	19.965	ug/l	98
62) Toluene	10.15	91	472243	21.244	ug/l	99
64) Chlorobenzene	11.43	112	281649	19.675	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	111687	19.661	ug/l	98
66) Ethyl Benzene	11.51	91	509666	21.313	ug/l	99
67) m/p-Xylenes	11.62	106	380036	39.720	ug/l	100
68) o-Xylene	11.95	106	186710	19.422	ug/l	100
69) Styrene	11.96	104	293584	19.268	ug/l	99
70) Isopropylbenzene	12.25	105	512494	21.268	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	127967	19.965	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	119415m	21.946	ug/l	
73) Bromobenzene	12.53	156	116194	18.863	ug/l	98
74) n-propylbenzene	12.59	91	530830	21.369	ug/l	100
75) 2-Chlorotoluene	12.67	91	319795	19.931	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	423087	20.747	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	31187	18.096	ug/l	99
78) 4-Chlorotoluene	12.77	91	300210	19.450	ug/l	100
79) tert-butylbenzene	12.99	119	381051	20.446	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	401867	20.906	ug/l	97
81) sec-Butylbenzene	13.17	105	473047	20.880	ug/l	99
82) p-Isopropyltoluene	13.29	119	411718	20.492	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	179690	18.034	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	169809	17.769	ug/l	97
85) n-Butylbenzene	13.62	91	300214	19.187	ug/l	99
86) Hexachloroethane	13.88	117	69251	18.025	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	180373	18.835	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18215	18.924	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	47220	13.381	ug/l	100
90) Hexachlorobutadiene	15.01	225	57781	19.037	ug/l	97
91) Naphthalene	15.13	128	144659	14.729	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	48471	13.865	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
Data File : VN057584.D
Acq On : 30 Aug 2019 13:02
Operator : JC/SP
Sample : VN0830WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Manual Integrations
APPROVED

MMDadoda
8/31/2019 10:00:49 AM

Quant Time: Aug 31 00:21:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Aug 31 00:00:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

