

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056456.D
 Acq On : 24 Jun 2019 15:22
 Operator : JC/SP
 Sample : VN0624MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBS01

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:24 AM

Quant Time: Jun 25 02:00:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	371064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	571887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	188013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	217403	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
35) Dibromofluoromethane	7.59	113	189058	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
50) Toluene-d8	10.09	98	716119	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.40	95	233580	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	61527	19.582 ug/l	98
3) Chloromethane	2.06	50	76910	17.977 ug/l	100
4) Vinyl Chloride	2.18	62	79878	19.331 ug/l	97
5) Bromomethane	2.53	94	49506m	20.437 ug/l	
6) Chloroethane	2.68	64	45013	18.811 ug/l	98
7) Trichlorofluoromethane	3.00	101	103844	19.428 ug/l	100
8) Diethyl Ether	3.41	74	44245	19.559 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68619	20.131 ug/l	98
10) Methyl Iodide	3.95	142	86103	18.690 ug/l	99
11) Tert butyl alcohol	4.80	59	62176	89.765 ug/l	99
12) 1,1-Dichloroethene	3.73	96	63067	19.240 ug/l	99
13) Acrolein	3.60	56	45994	78.786 ug/l	98
14) Allyl chloride	4.32	41	106224	19.467 ug/l	99
15) Acrylonitrile	4.99	53	184916	96.500 ug/l	99
16) Acetone	3.82	43	188161	91.321 ug/l	100
17) Carbon Disulfide	4.05	76	121569	16.306 ug/l	99
18) Methyl Acetate	4.33	43	85643	20.714 ug/l	99
19) Methyl tert-butyl Ether	5.05	73	216486	19.959 ug/l	100
20) Methylene Chloride	4.55	84	76582	19.167 ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	67724	19.163 ug/l	96
22) Diisopropyl ether	5.95	45	230637	20.126 ug/l	98
23) Vinyl Acetate	5.90	43	933121	103.239 ug/l	99
24) 1,1-Dichloroethane	5.85	63	131225	19.949 ug/l	99
25) 2-Butanone	6.84	43	260719	95.606 ug/l	99
26) 2,2-Dichloropropane	6.82	77	91222	19.939 ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	81729	19.767 ug/l	100
28) Bromochloromethane	7.19	49	69991	21.511 ug/l	98
29) Tetrahydrofuran	7.21	42	165354	99.223 ug/l	99
30) Chloroform	7.37	83	129338	19.926 ug/l	99
31) Cyclohexane	7.65	56	120619	18.993 ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	103411	20.099 ug/l	99
36) 1,1-Dichloropropene	7.79	75	92928	18.461 ug/l	98
37) Ethyl Acetate	6.93	43	100823	20.382 ug/l	99
38) Carbon Tetrachloride	7.77	117	84225	19.134 ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056456.D
 Acq On : 24 Jun 2019 15:22
 Operator : JC/SP
 Sample : VN0624MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0624MBS01

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:24 AM

Quant Time: Jun 25 02:00:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	115254	18.556	ug/l	99
40) Benzene	8.04	78	297444	19.210	ug/l	98
41) Methacrylonitrile	7.17	41	48570	22.235	ug/l	86
42) 1,2-Dichloroethane	8.12	62	98706	19.317	ug/l	99
43) Isopropyl Acetate	8.17	43	160434	21.033	ug/l	99
44) Trichloroethene	8.83	130	80499	19.300	ug/l	100
45) 1,2-Dichloropropane	9.12	63	82627	19.954	ug/l	98
46) Dibromomethane	9.21	93	50488	19.488	ug/l	96
47) Bromodichloromethane	9.40	83	91915	20.005	ug/l	99
48) Methyl methacrylate	9.20	41	74496	19.489	ug/l	98
49) 1,4-Dioxane	9.21	88	26537	334.540	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	480839	97.667	ug/l	100
52) Toluene	10.16	92	184761	19.518	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	94353	19.503	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	109587	19.806	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	76777	20.178	ug/l	99
56) Ethyl methacrylate	10.43	69	110295	19.835	ug/l	99
57) 1,3-Dichloropropane	10.71	76	125760	19.674	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	178092	89.148	ug/l	100
59) 2-Hexanone	10.75	43	345801	95.567	ug/l	100
60) Dibromochloromethane	10.90	129	68396	19.037	ug/l	98
61) 1,2-Dibromoethane	11.00	107	76111	19.585	ug/l	98
64) Tetrachloroethene	10.63	164	79733	20.271	ug/l	98
65) Chlorobenzene	11.43	112	195577	19.596	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	70547	20.914	ug/l	98
67) Ethyl Benzene	11.51	91	344827	19.677	ug/l	100
68) m/p-Xylenes	11.62	106	253409	39.458	ug/l	100
69) o-Xylene	11.95	106	125786	19.797	ug/l	99
70) Styrene	11.96	104	202593	19.948	ug/l	99
71) Bromoform	12.13	173	45074	18.666	ug/l #	100
73) Isopropylbenzene	12.25	105	337902	22.447	ug/l	100
74) N-amyl acetate	12.07	43	122455	20.465	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	104864	22.282	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	88642m	22.738	ug/l	
77) Bromobenzene	12.53	156	90550	21.539	ug/l	93
78) n-propylbenzene	12.59	91	350232	20.342	ug/l	100
79) 2-Chlorotoluene	12.67	91	219889	21.867	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	273954	21.882	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22454	20.471	ug/l	98
82) 4-Chlorotoluene	12.77	91	201246	19.796	ug/l	100
83) tert-Butylbenzene	12.99	119	241445	21.865	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	254240	20.087	ug/l	99
85) sec-Butylbenzene	13.17	105	312278	20.635	ug/l	100
86) p-Isopropyltoluene	13.29	119	263519	20.290	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	125499	19.699	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	117743	19.083	ug/l	98
89) n-Butylbenzene	13.61	91	184749	18.791	ug/l	100
90) Hexachloroethane	13.87	117	41274	20.384	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	127945	20.242	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13622	19.581	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
Data File : VN056456.D
Acq On : 24 Jun 2019 15:22
Operator : JC/SP
Sample : VN0624MBS01
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBS01

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:24 AM

Quant Time: Jun 25 02:00:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	43541	17.356	ug/l	98
94) Hexachlorobutadiene	15.01	225	48480	21.564	ug/l	100
95) Naphthalene	15.13	128	124315	18.179	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52551	18.508	ug/l	96

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

