

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\
 Data File : VN057328.D
 Acq On : 15 Aug 2019 13:50
 Operator : JC/SP
 Sample : VN0816MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBS01

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:54:07 AM

Quant Time: Aug 15 14:14:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	896893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1300786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1144597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	410926	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	468302	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
35) Dibromofluoromethane	7.58	113	419462	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	10.08	98	1562202	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.40	95	502652	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	141300	18.309	ug/l	95
3) Chloromethane	2.05	50	157211	17.258	ug/l	99
4) Vinyl Chloride	2.18	62	153741	17.939	ug/l	99
5) Bromomethane	2.54	94	120082	19.656	ug/l	97
6) Chloroethane	2.70	64	110306	18.712	ug/l	97
7) Trichlorofluoromethane	3.02	101	249012	18.524	ug/l	99
8) Diethyl Ether	3.40	74	94907	18.758	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	150631	19.072	ug/l	98
10) Methyl Iodide	3.95	142	237311	18.798	ug/l	99
11) Tert butyl alcohol	4.76	59	123863	89.359	ug/l	99
12) 1,1-Dichloroethene	3.73	96	147353	18.725	ug/l	98
13) Acrolein	3.60	56	68835	81.803	ug/l	99
14) Allyl chloride	4.32	41	230823	18.299	ug/l	99
15) Acrylonitrile	4.97	53	347046	92.221	ug/l	99
16) Acetone	3.80	43	307100	90.795	ug/l	98
17) Carbon Disulfide	4.05	76	372269	17.560	ug/l	99
18) Methyl Acetate	4.31	43	176354	17.963	ug/l	97
19) Methyl tert-butyl Ether	5.03	73	462801	18.743	ug/l	100
20) Methylene Chloride	4.54	84	169386	17.899	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	158159	18.689	ug/l	94
22) Diisopropyl ether	5.94	45	474214	19.031	ug/l	96
23) Vinyl Acetate	5.88	43	1852229	92.360	ug/l	98
24) 1,1-Dichloroethane	5.84	63	290519	18.950	ug/l	100
25) 2-Butanone	6.82	43	445169	90.888	ug/l	97
26) 2,2-Dichloropropane	6.81	77	240261	19.392	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	189009	18.866	ug/l	98
28) Bromochloromethane	7.19	49	133892	19.656	ug/l	99
29) Tetrahydrofuran	7.20	42	280034	90.343	ug/l	99
30) Chloroform	7.36	83	295301	18.381	ug/l	97
31) Cyclohexane	7.65	56	248040	18.670	ug/l	96
32) 1,1,1-Trichloroethane	7.56	97	255097	18.878	ug/l	97
36) 1,1-Dichloropropene	7.79	75	218956	19.064	ug/l	99
37) Ethyl Acetate	6.91	43	176077	18.718	ug/l	99
38) Carbon Tetrachloride	7.77	117	226591	18.988	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\
 Data File : VN057328.D
 Acq On : 15 Aug 2019 13:50
 Operator : JC/SP
 Sample : VN0816MBS01
 Misc : 5.00µl/100µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0816MBS01

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:54:07 AM

Quant Time: Aug 15 14:14:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	258306	19.261	ug/l	98
40) Benzene	8.03	78	672144	19.134	ug/l	99
41) Methacrylonitrile	7.16	41	83935	19.814	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	220584	18.973	ug/l	98
43) Isopropyl Acetate	8.16	43	324481	18.143	ug/l	99
44) Trichloroethene	8.83	130	190564	19.295	ug/l	99
45) 1,2-Dichloropropane	9.11	63	174189	19.237	ug/l	96
46) Dibromomethane	9.20	93	116734	19.325	ug/l	99
47) Bromodichloromethane	9.40	83	225834	18.869	ug/l	98
48) Methyl methacrylate	9.19	41	141929	18.322	ug/l	99
49) 1,4-Dioxane	9.19	88	64656	396.904	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	877795	90.453	ug/l	98
52) Toluene	10.15	92	429115	19.626	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	243227	18.788	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	272451	19.085	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	165343	19.231	ug/l	98
56) Ethyl methacrylate	10.43	69	238247	18.988	ug/l	99
57) 1,3-Dichloropropane	10.70	76	276482	19.250	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	279444	86.733	ug/l	99
59) 2-Hexanone	10.75	43	630867	90.424	ug/l	100
60) Dibromochloromethane	10.90	129	182078	18.898	ug/l	99
61) 1,2-Dibromoethane	11.00	107	171243	18.697	ug/l	99
64) Tetrachloroethene	10.63	164	197290	19.939	ug/l	96
65) Chlorobenzene	11.43	112	450694	19.306	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	179487	20.076	ug/l	98
67) Ethyl Benzene	11.51	91	788542	19.307	ug/l	100
68) m/p-Xylenes	11.62	106	582982	38.742	ug/l	100
69) o-Xylene	11.95	106	285643	19.333	ug/l	100
70) Styrene	11.96	104	454016	19.277	ug/l	100
71) Bromoform	12.12	173	132588	18.798	ug/l #	99
73) Isopropylbenzene	12.25	105	774695	21.796	ug/l	99
74) N-amyl acetate	12.07	43	223200	18.718	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	213845	20.799	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	181331m	21.344	ug/l	
77) Bromobenzene	12.53	156	203318	21.869	ug/l	96
78) n-propylbenzene	12.59	91	755303	19.087	ug/l	100
79) 2-Chlorotoluene	12.67	91	486467	21.122	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	623576	21.224	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	63091	18.722	ug/l	97
82) 4-Chlorotoluene	12.77	91	430819	18.373	ug/l	96
83) tert-Butylbenzene	12.99	119	568246	21.674	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	569631	19.246	ug/l	98
85) sec-Butylbenzene	13.17	105	673257	20.773	ug/l	100
86) p-Isopropyltoluene	13.29	119	570551	18.828	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	275185	19.113	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	257581	18.847	ug/l	99
89) n-Butylbenzene	13.62	91	432514	20.021	ug/l	99
90) Hexachloroethane	13.88	117	114112	20.780	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	266074	19.825	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25253	17.233	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\
Data File : VN057328.D
Acq On : 15 Aug 2019 13:50
Operator : JC/SP
Sample : VN0816MBS01
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:54:07 AM

Quant Time: Aug 15 14:14:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 15 11:33:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	65023	16.173	ug/l	98
94) Hexachlorobutadiene	15.01	225	123531	21.422	ug/l	96
95) Naphthalene	15.13	128	125486	18.939	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	64538	19.674	ug/l	97

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

