

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111921\
 Data File : VN069585.D
 Acq On : 19 Nov 2021 14:12
 Operator : JC/MD
 Sample : VN1119WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/01/2021
 Supervised By : Mahesh Dadoda 12/01/2021

Quant Time: Nov 19 14:29:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	1033842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1658995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1521721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	633533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	779895	52.027	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.060%			
35) Dibromofluoromethane	8.021	113	550157	55.292	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.580%			
50) Toluene-d8	10.443	98	2096571	53.576	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.160%			
62) 4-Bromofluorobenzene	12.731	95	743330	51.706	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	199826	18.092	ug/l	100
3) Chloromethane	2.303	50	226946	17.717	ug/l	99
4) Vinyl Chloride	2.448	62	224197	17.480	ug/l	96
5) Bromomethane	2.853	94	139461	16.743	ug/l	99
6) Chloroethane	3.019	64	146443	16.916	ug/l	96
7) Trichlorofluoromethane	3.373	101	342588	17.283	ug/l	98
8) Diethyl Ether	3.824	74	129347	20.169	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.210	101	191774	20.538	ug/l	95
10) Methyl Iodide	4.422	142	215151	18.786	ug/l	96
11) Tert butyl alcohol	5.377	59	259300	95.996	ug/l	98
12) 1,1-Dichloroethene	4.178	96	162932	19.445	ug/l	89
13) Acrolein	4.047	56	40572	102.159	ug/l	98
14) Allyl chloride	4.838	41	362756	19.581	ug/l #	88
15) Acrylonitrile	5.554	53	724468	104.734	ug/l	100
16) Acetone	4.288	43	878008	108.559	ug/l	97
17) Carbon Disulfide	4.527	76	288760	14.579	ug/l	99
18) Methyl Acetate	4.862	43	525850	20.001	ug/l	92
19) Methyl tert-butyl Ether	5.621	73	733940	20.697	ug/l	96
20) Methylene Chloride	5.095	84	221466	19.310	ug/l	89
21) trans-1,2-Dichloroethene	5.597	96	176080	18.814	ug/l	88
22) Diisopropyl ether	6.498	45	839075	21.026	ug/l	95
23) Vinyl Acetate	6.434	43	3189195	103.326	ug/l	95
24) 1,1-Dichloroethane	6.388	63	417341	20.532	ug/l	99
25) 2-Butanone	7.337	43	1144747	104.528	ug/l	91
26) 2,2-Dichloropropane	7.324	77	313522	19.714	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	236410	20.377	ug/l	89
28) Bromochloromethane	7.656	49	224228	21.541	ug/l #	80
29) Tetrahydrofuran	7.689	42	706227	105.082	ug/l	89
30) Chloroform	7.817	83	437756	21.007	ug/l	99
31) Cyclohexane	8.094	56	372434	18.186	ug/l	90
32) 1,1,1-Trichloroethane	8.016	97	352017	20.238	ug/l	95
36) 1,1-Dichloropropene	8.222	75	286663	20.536	ug/l	96
37) Ethyl Acetate	7.415	43	429081	22.739	ug/l #	94
38) Carbon Tetrachloride	8.206	117	279966	20.774	ug/l	97
39) Methylcyclohexane	9.461	83	334865	19.284	ug/l	90
40) Benzene	8.461	78	908302	21.080	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111921\
 Data File : VN069585.D
 Acq On : 19 Nov 2021 14:12
 Operator : JC/MD
 Sample : VN1119WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS01

Quant Time: Nov 19 14:29:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/01/2021
 Supervised By : Mahesh Dadoda 12/01/2021

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	208132	21.346	ug/l	91
42) 1,2-Dichloroethane	8.531	62	373790	22.155	ug/l	96
43) Isopropyl Acetate	8.563	43	659105	21.746	ug/l	94
44) Trichloroethene	9.215	130	218910	21.228	ug/l	92
45) 1,2-Dichloropropane	9.488	63	253777	22.045	ug/l	100
46) Dibromomethane	9.577	93	160578	20.825	ug/l	93
47) Bromodichloromethane	9.762	83	311158	21.625	ug/l	100
48) Methyl methacrylate	9.561	41	300208	21.053	ug/l	91
49) 1,4-Dioxane	9.571	88	108938	409.488	ug/l	86
51) 4-Methyl-2-Pentanone	10.330	43	2190727	111.978	ug/l	95
52) Toluene	10.505	92	561016	20.900	ug/l	100
53) t-1,3-Dichloropropene	10.719	75	306260	19.036	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	346034	19.651	ug/l #	87
55) 1,1,2-Trichloroethane	10.899	97	243588	22.512	ug/l	98
56) Ethyl methacrylate	10.762	69	378852	19.869	ug/l #	85
57) 1,3-Dichloropropane	11.047	76	420161	22.097	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	376242	87.991	ug/l	93
59) 2-Hexanone	11.087	43	1598152	101.617	ug/l	93
60) Dibromochloromethane	11.237	129	217323	19.831	ug/l	99
61) 1,2-Dibromoethane	11.347	107	237333	20.301	ug/l	98
64) Tetrachloroethene	10.977	164	194760	21.196	ug/l	95
65) Chlorobenzene	11.771	112	615444	21.728	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.843	131	220015	22.395	ug/l	100
67) Ethyl Benzene	11.846	91	1120134	21.442	ug/l	96
68) m/p-Xylenes	11.953	106	814534	42.395	ug/l	93
69) o-Xylene	12.280	106	408573	21.331	ug/l	91
70) Styrene	12.294	104	662677	20.204	ug/l	97
71) Bromoform	12.457	173	145879	19.356	ug/l #	100
73) Isopropylbenzene	12.578	105	1086508	21.540	ug/l	99
74) N-amyl acetate	12.390	43	454290	21.251	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.827	83	377462	22.187	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	351553m	24.045	ug/l	
77) Bromobenzene	12.862	156	249274	21.608	ug/l	81
78) n-propylbenzene	12.921	91	1223307	21.553	ug/l	96
79) 2-Chlorotoluene	13.007	91	761117	21.657	ug/l	94
80) 1,3,5-Trimethylbenzene	13.061	105	894041	21.924	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	78388	19.900	ug/l #	82
82) 4-Chlorotoluene	13.106	91	721036	21.523	ug/l	92
83) tert-Butylbenzene	13.323	119	786537	22.010	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	865536	21.986	ug/l	98
85) sec-Butylbenzene	13.501	105	1081110	21.657	ug/l	97
86) p-Isopropyltoluene	13.616	119	852961	21.524	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	434994	21.749	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	412068	21.001	ug/l	96
89) n-Butylbenzene	13.943	91	666548	20.170	ug/l	98
90) Hexachloroethane	14.211	117	133707	19.725	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	426821	22.427	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	60497	20.236	ug/l	78
93) 1,2,4-Trichlorobenzene	15.263	180	183993	20.415	ug/l	97
94) Hexachlorobutadiene	15.370	225	113455	22.943	ug/l	98
95) Naphthalene	15.507	128	459912	19.348	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	176062	20.462	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111921\
Data File : VN069585.D
Acq On : 19 Nov 2021 14:12
Operator : JC/MD
Sample : VN1119WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/01/2021
Supervised By :Mahesh Dadoda 12/01/2021

Quant Time: Nov 19 14:29:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 09 18:18:22 2021
Response via : Initial Calibration

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

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

