

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032922\
 Data File : VN071645.D
 Acq On : 29 Mar 2022 20:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/30/2022
 Supervised By : Mahesh Dadoda 03/30/2022

Quant Time: Mar 30 06:09:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 29 09:32:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	656451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1028969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	940167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	398691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	387076	49.178	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.360%		
35) Dibromofluoromethane	8.016	113	321844	50.929	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.860%		
50) Toluene-d8	10.439	98	1301171	49.917	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.840%		
62) 4-Bromofluorobenzene	12.727	95	432470	50.857	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	289965	45.090	ug/l	98
3) Chloromethane	2.299	50	327597	43.290	ug/l	99
4) Vinyl Chloride	2.440	62	381730	45.407	ug/l	99
5) Bromomethane	2.834	94	237038	47.987	ug/l	99
6) Chloroethane	3.004	64	250189	46.814	ug/l	97
7) Trichlorofluoromethane	3.369	101	465701	46.478	ug/l	97
8) Diethyl Ether	3.822	74	203367	48.779	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.210	101	283375	46.549	ug/l	98
10) Methyl Iodide	4.422	142	417099	46.451	ug/l	99
11) Tert butyl alcohol	5.357	59	363620	261.632	ug/l	100
12) 1,1-Dichloroethene	4.187	96	275356	46.730	ug/l	95
13) Acrolein	4.040	56	298294	257.226	ug/l	98
14) Allyl chloride	4.840	41	448320	47.668	ug/l	100
15) Acrylonitrile	5.545	53	973379	250.766	ug/l	100
16) Acetone	4.281	43	783900	241.593	ug/l	98
17) Carbon Disulfide	4.528	76	598989	40.817	ug/l	100
18) Methyl Acetate	4.851	43	416433	49.534	ug/l	100
19) Methyl tert-butyl Ether	5.610	73	1068162	49.641	ug/l	100
20) Methylene Chloride	5.092	84	332285	46.331	ug/l	98
21) trans-1,2-Dichloroethene	5.598	96	292239	46.374	ug/l	98
22) Diisopropyl ether	6.492	45	1003248	49.901	ug/l	98
23) Vinyl Acetate	6.428	43	4337777	255.751	ug/l	99
24) 1,1-Dichloroethane	6.386	63	578442	48.313	ug/l	99
25) 2-Butanone	7.328	43	1279844	253.399	ug/l	100
26) 2,2-Dichloropropane	7.322	77	475161	46.176	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	370257	47.808	ug/l	98
28) Bromochloromethane	7.657	49	248813	51.448	ug/l	99
29) Tetrahydrofuran	7.675	42	839917	256.177	ug/l	100
30) Chloroform	7.816	83	594860	48.479	ug/l	100
31) Cyclohexane	8.092	56	484676	44.094	ug/l	98
32) 1,1,1-Trichloroethane	8.010	97	518863	48.751	ug/l	98
36) 1,1-Dichloropropene	8.216	75	424791	46.759	ug/l	99
37) Ethyl Acetate	7.410	43	507506	51.089	ug/l	100
38) Carbon Tetrachloride	8.204	117	418832	46.521	ug/l	100
39) Methylcyclohexane	9.457	83	521975	46.455	ug/l	99
40) Benzene	8.457	78	1338279	47.980	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032922\
 Data File : VN071645.D
 Acq On : 29 Mar 2022 20:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/30/2022
 Supervised By : Mahesh Dadoda 03/30/2022

Quant Time: Mar 30 06:09:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 29 09:32:37 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	271294	56.152	ug/l	90
42) 1,2-Dichloroethane	8.522	62	465819	48.318	ug/l	100
43) Isopropyl Acetate	8.557	43	801452	49.362	ug/l	100
44) Trichloroethene	9.210	130	347044	47.338	ug/l	98
45) 1,2-Dichloropropane	9.486	63	338047	49.197	ug/l	98
46) Dibromomethane	9.574	93	229645	48.833	ug/l	99
47) Bromodichloromethane	9.757	83	466944	50.395	ug/l	98
48) Methyl methacrylate	9.557	41	372007	51.997	ug/l	98
49) 1,4-Dioxane	9.563	88	165048	1047.787	ug/l	98
51) 4-Methyl-2-Pentanone	10.327	43	2538681	260.644	ug/l	100
52) Toluene	10.498	92	865932	48.275	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	505257	50.160	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	547940	49.999	ug/l	98
55) 1,1,2-Trichloroethane	10.892	97	355608	49.231	ug/l	97
56) Ethyl methacrylate	10.757	69	570078	52.815	ug/l	98
57) 1,3-Dichloropropane	11.039	76	591884	49.084	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.033	63	780315	235.984	ug/l	99
59) 2-Hexanone	11.080	43	1845106	264.798	ug/l	99
60) Dibromochloromethane	11.233	129	366172	50.552	ug/l	99
61) 1,2-Dibromoethane	11.339	107	361014	49.368	ug/l	99
64) Tetrachloroethene	10.974	164	296518	45.571	ug/l	97
65) Chlorobenzene	11.763	112	942314	48.033	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.839	131	348341	49.477	ug/l	99
67) Ethyl Benzene	11.839	91	1661164	49.044	ug/l	99
68) m/p-Xylenes	11.951	106	1276913	99.239	ug/l	100
69) o-Xylene	12.274	106	646581	50.013	ug/l	98
70) Styrene	12.292	104	1033036	52.339	ug/l	100
71) Bromoform	12.457	173	283667	51.193	ug/l	99
73) Isopropylbenzene	12.574	105	1650395	47.326	ug/l	100
74) N-amyl acetate	12.380	43	537540	50.771	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.821	83	534638	45.801	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	470817m	49.181	ug/l	
77) Bromobenzene	12.857	156	397667	45.347	ug/l	99
78) n-propylbenzene	12.915	91	1765923	46.967	ug/l	99
79) 2-Chlorotoluene	13.004	91	1095751	46.537	ug/l	99
80) 1,3,5-Trimethylbenzene	13.051	105	1312631	47.679	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	162174	48.898	ug/l	98
82) 4-Chlorotoluene	13.098	91	1029713	46.887	ug/l	100
83) tert-Butylbenzene	13.321	119	1207100	47.774	ug/l	99
84) 1,2,4-Trimethylbenzene	13.362	105	1297500	48.122	ug/l	100
85) sec-Butylbenzene	13.498	105	1605714	48.103	ug/l	100
86) p-Isopropyltoluene	13.610	119	1310893	49.425	ug/l	100
87) 1,3-Dichlorobenzene	13.610	146	658415	46.503	ug/l	100
88) 1,4-Dichlorobenzene	13.692	146	638960	45.463	ug/l	100
89) n-Butylbenzene	13.939	91	990377	49.416	ug/l	100
90) Hexachloroethane	14.204	117	239481	48.084	ug/l	100
91) 1,2-Dichlorobenzene	13.986	146	639556	46.110	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	96815	47.977	ug/l	99
93) 1,2,4-Trichlorobenzene	15.256	180	322483	52.643	ug/l	99
94) Hexachlorobutadiene	15.362	225	183520	47.541	ug/l	99
95) Naphthalene	15.498	128	1011278	51.100	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	317839	51.816	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032922\
Data File : VN071645.D
Acq On : 29 Mar 2022 20:30
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

Quant Time: Mar 30 06:09:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032822W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 29 09:32:37 2022
Response via : Initial Calibration

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

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

